

CATALOGUE 2009

Products and Solutions for Professional Video

Security

www.videor.com

Update 08/2009





Editorial

We are your Multibrand Distributor

Dear reader,

Preparation of product data – fast, brand-independent and based on facts: this is also our task as a multibrand distributor. And the comparability of products is our ultimate ambition here. This is because a constantly growing product portfolio continues to place great demands on us. Our principle is to maintain the overview and to select the optimal product for each application in the face of numerous products. We rise to this challenge and invite you to accompany us on this route. A first step was the conversion of our website in October last year. Beforehand, the products were presorted and therefore difficult to compare. Now, you can move freely through the product lists and filter according to your personal search criteria. The watchlist provides you with a user-friendly comparison function.

We are now pursuing a similar concept with the catalogue. We have also placed products next to each other in a technical logically order here, and we provide you with a direct comparison based on the most important features. You can therefore quickly gain an overview.

Clearly, all of this places high demands on our data management. The more different the products from our suppliers, the more different is often also the preparation of technical details. Anyone who has ever compared the datasheets from two manufacturers with one another knows how time-intensive this is. For your convenience we defined and logically sorted the most important features for each product group and standardised manufacturer data correspondingly.



Feedback welcome

We prepare our catalogue to support you in your work. Intense dialogue with you is therefore very important to us. Please let us know if you wish for additional criteria for product selection or if you would like to see other improvements in the catalogue. This will assist us in making our catalogue even better for you. Write to us at catalogue@videor.com or fax us the enclosed form. We are very interested in receiving your feedback.

Best regards,

A handwritten signature in blue ink, which appears to read 'Thomas Grimme', is written over a horizontal line.

Thomas Grimme
Sales Director Security

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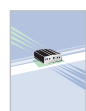
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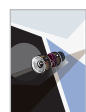
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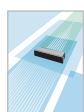
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Expansion and diversity

VIDEOR: Extensive range of products and services

We have been one of the leading European distributors of professional video technology for over thirty years. The company's wide product range covers components and integrated systems in the security, networking, imaging and broadcast sectors based on a strong purchasing position on global hi-tech markets as well as market knowledge extending over several years.

We are continuing our course of expansion witnessed by inauguration of our ComCenter in 2004 and our TechCenter ready for use since the spring of 2008. Sales of 65 million euros in the financial year 2007/2008 emphasise our leading market position.

10 Reasons why you should choose us

1. Large Selection

With over 30 suppliers and brands plus well over 4000 deliverable products, we offer you the truly largest selection in the sector. Furthermore, you can obtain some brands exclusively from us. And we are continuously extending our portfolio: our Product Managers specialised in your sectors permanently expand our product range by adding favourable and sophisticated new products.

2. Fair Prices

We offer you our products as well as our services at fair prices. We achieve this through repeated comparisons of market prices as well as working together constructively with our suppliers to optimise prices and costs. All of our achieved price improvements are passed directly on to the market, and therefore to you.

3. Easy Ordering System

We accept your order in a way that is the easiest for you: by telephone, e-mail, fax or on our website.

4. Efficient Logistics Centre

Our high-rack warehouse allows high stock levels and therefore optimum availability. Orders received by 12 o'clock are normally dispatched on the same day.

5. Technical Support

Our In-house Technical Support Team answers all of your questions before you decide on a product. Difficulties with installation of a purchased product? Our Technical Support team will be happy to assist you. Of course, we stay in close contact with all suppliers, which means we can clarify complex issues directly with just the right development department.

6. VIDEOR Service Team

Our Service Team is available for all of your maintenance, repair and product modification needs.

7. Audited Quality

We are not only certified compliant with DIN ISO 9001:2000, we also ensure our high product quality additionally: through tests, checks and supplier audits.



8. Up-to-Date Website

You can quickly find the right product for you on our website. Searching with clearly arranged organisation of hits as well as the option to filter by features make child's play out of finding the right product. The website is fully supported by our database and is therefore always up-to-date. In the customer area you can track your orders, download images, save and manage watch lists, generate price lists and even produce your own datasheets showing your logo and company information – without any mention of VIDEOR at all. A service tailored to resellers.

9. Optimally Informed

In addition to our customer magazine, newsletters, brochures and catalogues, and of course also our website, you can keep your knowledge at the state-of-the-art through our training courses and product presentations. Furthermore, we exhibit at all the major sector trade fairs.

10. Continuity

Long-term strategic planning guarantees you ultimate reliability. Continuity characterises all of our commercial operations. The statements we make today are also valid tomorrow.

Certified Quality

Customer satisfaction is our top priority. And clearly this has a major impact on the operations structured within our company. High reliability can only be achieved when processes are implemented by precisely specified operations. This covers orders, repairs, product inclusion in our portfolio, and inspections of incoming goods right up to dispatch of the customer magazine. Strategic forward-looking planning of our requirements and system adjustments are also included in our quality management targets.

We were certified compliant with DIN ISO 9002 as long ago as 1994, certification compliant with EN ISO 9001:2000 followed in 2002 and this was renewed in July 2008. Strict adherence to the high requirements set by the ISO standards is ensured every three years by external auditors from an international and independent auditing company.



www.videor.com – the next generation

Numerous new features increase considerably efficiency for our customers

Our website has been the central platform for communication of our product data for many years. The direct link to our Enterprise Resource Planning (ERP) combined with careful maintenance of our product data guaranteed up-to-date information every day, and it turned our website into a popular resource for our customers. With the next generation of our website, we have not only presented you with a new and modern design since October 2008, but in particular a large number of new features have been developed in response to substantial customer feedback.

New: Improved homepage for greater overview

Our homepage now greets you with the most important information surrounding our products, markets and the VIDEOR company. The new "Infocenter", where a clear overview of all documents and forms can be found in one place, is very practical. Under "Contact", in addition to contacts and the route-finder, you can also find information on becoming a partner and a contact form that you can also use to send us a copy of your trading licence.

From the homepage, you can of course reach your chosen product area with just one click on the navigation toolbar at the top of the page.

Product area main page: Clearer organisation of product information

In the product areas, you can find clearly set out information, which enables you to quickly pick out new products and technologies. The left-hand column presents you with individual product recommendations from our extensive portfolio. In the right-hand column you can find banners that lead to detailed reports about products, manufacturers, markets and technologies. Underneath you can see a list of further selected subjects.

We place great importance on: Improved product selection

Our constantly expanding portfolio required a new method of locating products quickly according to different criteria. It no longer made sense to pre-sort the products into fixed groups, as examining the products against the individual features required is very time-consuming. You now have the option to individually customise your lists of products via the choice of filters. You are now free to restrict our product range of IP cameras to a particular manufacturer or to select the video compression of your choice as your first step. The more features you select, the more the list of results decreases. There is no more effective way of finding a specific product. We have therefore introduced a completely new product database and overhauled all data.

The screenshot displays the Videor website interface. At the top, a navigation bar includes links for Company, Security, Imaging, Networking, Media, Production, Studio, and Support. A search bar and links for Contact and Imprint are also present. The main content area is divided into three columns. The left column features a 'Security' sidebar with a list of product categories: IP Cameras, IP Dome Cameras, IP Server/Decoder, IP Video Management, Cameras, Dome Cameras, Lenses, Housings, Pan & Tilt Systems, Lighting, Transmission, Processing, Recording, Monitors, Accessories, and Trainings & Events. The middle column contains a large banner for 'Sony now at Videor' advertising a complete Sony IP portfolio and selected analogue cameras, with sub-headings for Megapixel network cameras, Vandalism-resistant intelligent network cameras, and High-speed dome cameras. Below this banner, a section titled 'From our shop' features a 'DLS-16 Realtime Recorder with H.264 Compression and Triplex functionality' by Dallmeier, priced at EUR 2.685,60. Another section titled 'Current topics' features a 'New at Videor: Network Cameras from Basler' with a 'read more >' link. The right column shows a user login status for 'Max Muster' (Cust. no.: 13109) with a 'Logout' button. Below this, a section titled 'Our service, your possibilities' includes a 'To customer area' button. Further down, a 'My watchlist' section shows 'My basket' and a message 'Your watchlist is empty'. The bottom of the page features a 'RX-W19 Wide Screen Security: TFT Monitor with 16:9 format' by neovo, priced at EUR 981,00, and a section for 'Aimetis Symphony: Intelligent management software with analysis functions' with a 'view details >' link.

Practical tips: Product search

Case 1: You are searching for a digital video recorder that has 16 channels and a 500GB hard disk

First option: You navigate via the left-hand menu structure to the recorder list (>Recording > Recorders) and then filter to the number of channels (Video inputs amount ->16) and the size of the hard disk (Hard disk capacity internal ->500GB).

Second option: You search for "Recorders" in the search box and then filter as described above.

Third option for search professionals: You search specifically for the features you require and connect them with a "+".

In our example you search for: **Recorder+16+500GB**

A hit list showing the matching products is immediately shown. Of course, you can now set other filters, e.g. by brand.

Case 2: You are searching for a day/night camera with WDR and 12Volt DC.

As the navigation procedure and input of a general search time followed by filtering should be clear, we now go directly to the professional search:

Search for: **Camera+WDR+12VDC**

As you can see, a selection of domes that fulfil the corresponding criteria is also displayed. Possibly this is suitable for you, and you will leave the domes in your list for the time being. If not, you can hide the domes by selecting the category filter.

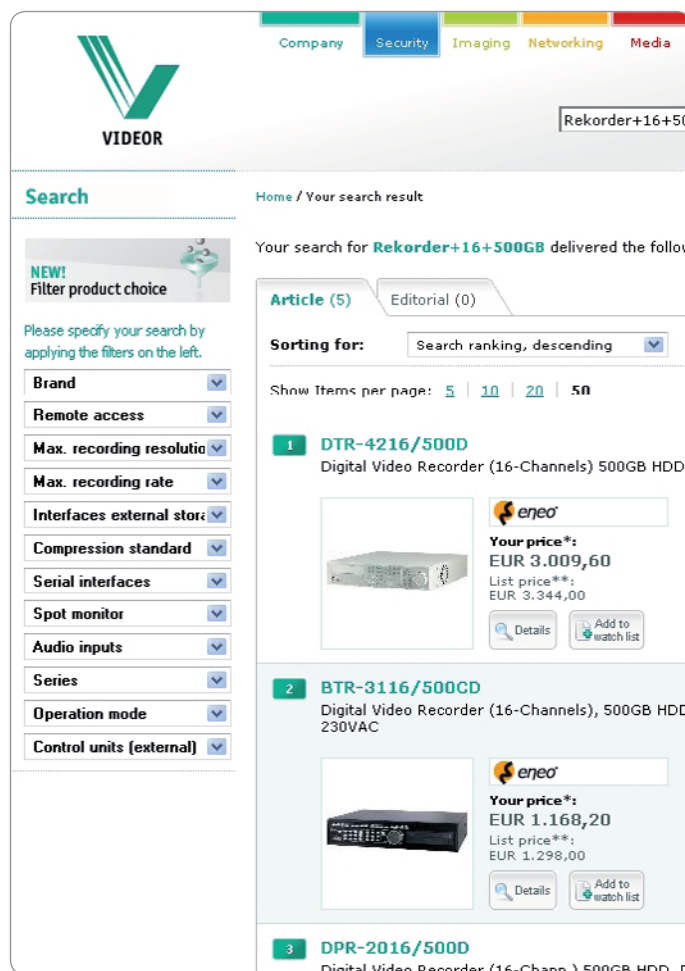
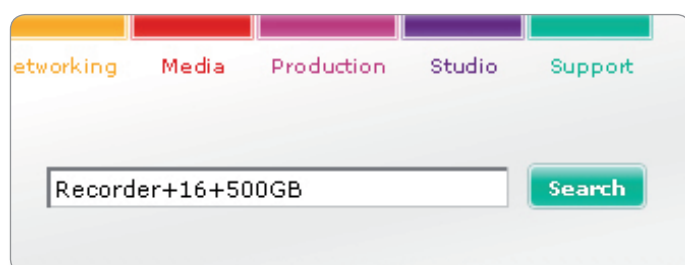
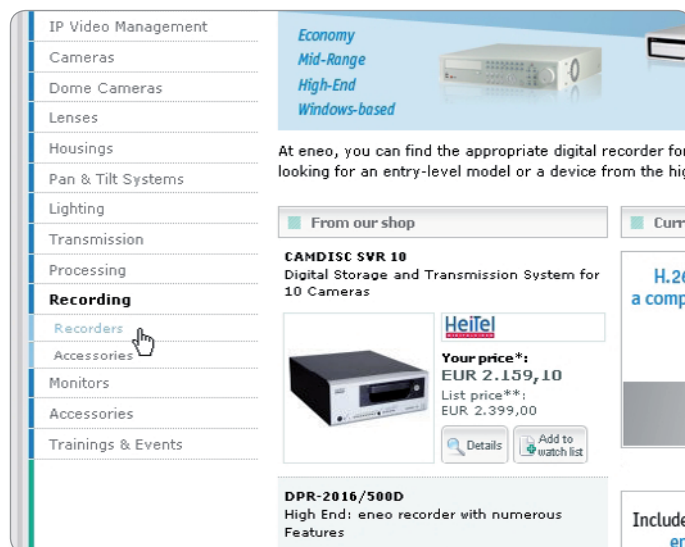
Case 3: You are searching for a lens with a variable focal length up to 8mm as well as a CS Mount.

Search by: **Lens+8mm+CS vari**

Tip: If you had added the "vari" with a +, the hit list would be empty as the exact text string is searched for when a plus symbol is used. You would then have had to write "variable". However, as different manufacturers use different terms, such as varifocal, varifocus, variable focal length, ... it is advisable here to add the main component "vari" with an empty space. You therefore cover all variants.

Spend a little time practising these options, and you will then soon be able to considerably reduce your product search time.

(You can find a version of these practical tips with full screenshots of all steps at www.videor.com by going to >Company >Info Center).



Cameras

Dome Cameras

Lenses

Housings

Pan & Tilt Systems

Lighting

Transmission

Processing

Recording

Monitors

TFT/LCD

TFT/LCD Accessories


CRT

CRT Accessories

Complete Systems

Accessories

Trainings & Events



Your price*:
EUR 981,00

List price**:
EUR 1.090,00

10+ ex stock,
larger quantities 4 weeks

[More information](#)

Add to watchlist

Add article to basket

Additional product photos

Basic features

Specifications

Product texts


Accessories

Downloads

Optional Accessories

PMK-01

Pivot Mounting Kit for Neovo TFT/LCD Monitor Series



neovo

Your price*:
EUR 50,00

List price**:
EUR 50,00

Details

Add to watchlist

Art.-No.: 90506


50+ ex stock

[More information](#)

Add article to basket

WMK-01

Low Profile Wall Mount Kit, straight, for Neovo TFT Monitor Series



neovo

Art.-No.: 90461

My watchlist

My basket

Art.-No./Type	Amount
90506 PMK-01	1
90461 WMK-01	1
93153 NTC-4101	1
72753 DLS-16 PLUS	1

Save/compare

Delete

Copy to basket

New: Market-leading search technology even allows for typing errors

Our new search engine is market leading in Europe and is able to perform search functions even when typing errors are made. A third of the top 100 German mail order companies already use this technology. Of course, you also have the convenience of filtering product features after a full text search. What is more, we simultaneously search across the editorial pages and show you this result separately in its own tab. So you won't miss anything.

New: Clear overview of product details

There is so much information for most products that we have now structured it even clearer for you. In the upper part of the screen, you can find general and commercial information on the products. Information on prices and availability can be found here, in addition to photos of the product, the manufacturer's logo and texts. Underneath, you can find details about the products in a total of six tabs. Basic features include a choice of the most important product specifications and allow you a quick overview of the features as well as the product comparison. All technical data on the product, including basic features, is summarised in the specifications tab. Under the heading 'Product texts', you will find editorial texts on the product features which you can also use for your own publications and offers. The technical drawings in the corresponding tab can be enlarged by clicking on them. The accessories section is a completely new feature which itemises all accessories in a complete list, along with a picture, prices, availability and all further functions of the "large" list. Under 'Downloads' you can find all documents, media data and software associated with the product in clearly structured tables. Of course, as a logged-on user you are again able to generate an individual data sheet containing your logo and company address in this section.

PDF data sheets with the customer's own logo and address

Experienced users of the VIDEOR website can no longer imagine working without this function: data sheets are generated live from the database and are presented with your personal logo and

company address, provided that you have set this option under 'Customer area/Design options'. This function is ideal for resellers, because no reference is made back to VIDEOR during this stage. Therefore your customer will not be confused by a distributor address. And we have designed data sheets to be more neutral to make them more ideal for you.

New: Expanded availability information improves your planning

The new availability information gives you a more detailed insight and thus helps you with your planning. We use this to notify you of appropriate quantity limits and to inform you of whether we have the required quantity or a greater number in stock. Therefore the message "5+ ex stock" means that we have at least 5 of these items in stock. This will save you from many telephone calls with our sales department. In addition, you are shown further information on additional forecast quantities of available items, as well as detailed information on lead times for products not in stock. Therefore, the text "Delivery time: 1 week after order" tells you that we can supply you with the item within a week. Incidentally, the link "More information" provides not just a brief description of the new availability notice, but also a live request on the warehouse stock in our shipping warehouse in the U.K.

New: Watchlists with option to save

The watchlist is extremely suitable for compiling product lists quickly and without obligation. You can print the list, copy it into the shopping basket or save it to use later. This enables you to create an unlimited number of product lists for your projects in parallel and to edit them as often as you wish. You can also use the save watchlist option to create lists of your favourites or regularly ordered products. Tip: Whenever the watchlist administration area is accessed we check all product prices on the watchlists and inform you if a product is no longer available. You should therefore delete any watchlists you no longer need as this reduces your loading time.

New: Product comparisons

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Practical tips:

Product selection using product comparison

Case 1: You are searching for a dome camera, if possible high resolution, with day&night functionality and a tinted bubble.

Step 1: Select >Dome Cameras >Fixed in the navigation menu

Step 2: Filter "Colour "bubble)" ->tinted and "System" ->day&night

Step 3: Use your personal criteria (price, product image, ..) or apply further filters (Brand, Protection rating, ..) to select three to five products and put them on the watchlist with the "Add to watchlist" button

Step 4: Open the watchlist administration area with the "Save/compare" button under the watchlist and then click on "Compare marked items"

A comprehensive product comparison is displayed and you can now select the optimal product for your application. In this example, you could opt for a product made out of aluminium or one with the suitable focal length.

Case 2: You cannot decide between a plug & play solution and an individual camera/lens combination.

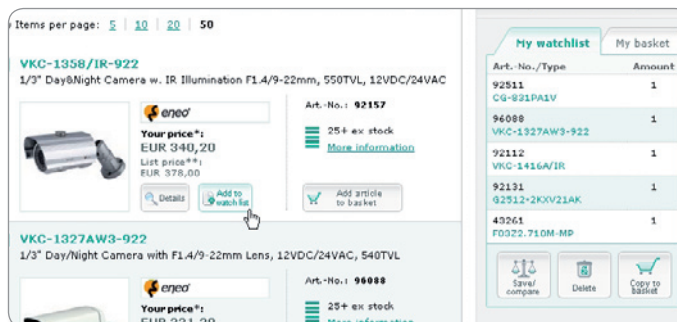
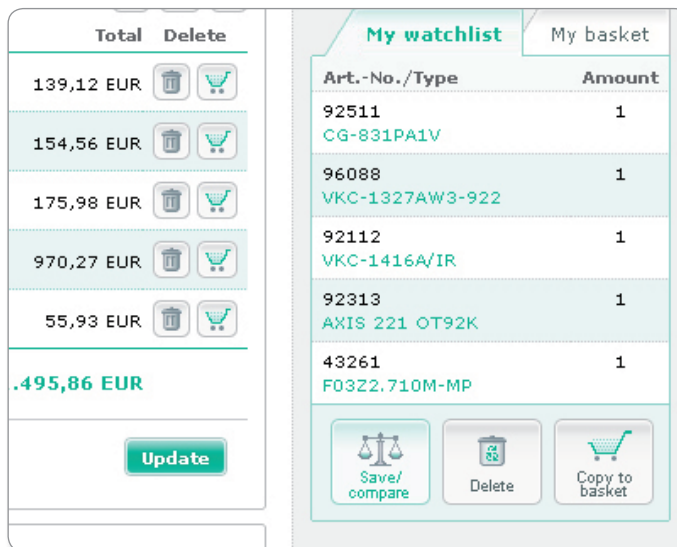
Step 1: You place a boxed camera and a suitable lens on the watchlist using the selection steps described above

Step 2: You place comparable plug & play products on the watchlist (either with a comparable focal length or with comparable camera features, e.g. with WDR function or both)

Step 3: You display the product comparison as described above

You can now change the order the products are displayed to match your needs so that comparable products are next to one another. The order of features is always oriented on the first product in the lists. The lens features are therefore firstly listed when you move a lens to the front. This allows you to compare alternatives step-by-step and remove unsuitable models from the comparison. In our example, you will possibly conclude that a plug & play combination satisfies your needs and you can also save installation expenses.

(You can find a version of these practical tips with full screenshots of all steps at www.vidoor.com by going to >Company >Info Center).

Pos.	Art.-No.	Article	Amount	Unit price
1.	92511	CG-831PA1V	1	266,40 EUR
2.	96088	VKC-1327AW3-922	1	331,20 EUR
3.	92112	VKC-1416A/IR	1	377,10 EUR
4.	92131	G2512-2KXV21AK	1	959,40 EUR
5.	43261	F0322.710M-MP	1	107,10 EUR
Compare marked items			Total*	2

*Complete price plus VAT and packaging/shipping

Specifications	CG-831PA1V Art.-No.: 92511	VKC-1327AW3-922 Art.-No.: 96088	VKC-1416A/IR Art.-No.: 92112
System	Colour	day&night	day&night
Sensor size	1/3"	1/3"	1/4"
Horizontal resolution	540 TVL	540 TVL	480 TVL
Integration rate	no	yes	yes
Switchable IR cut filter	yes	yes	yes
Backlight compensation	BLC, eclipser	BLC	BLC
Sensitivity (at 50% video)	0,1 Lux	0,5 Lux	0,45 Lux

One of the most important innovations is the comparison function using basic features. Very interesting: The structure of our new product database means that you can also compare products from different product groups with each other, for example the lens of a dome with a standard lens, or the encoder of an IP camera with the encoder of a video server.

Monitoring your data and controlling printed documents

All users can change their profile as necessary, such as their username, password, email address or telephone number, and manage their personal document profile for catalogues and the customer magazine. As the administrator, you have access to all user data, except passwords. Naturally, data administration and storage is subject to strict data protection requirements and only includes operational information.

New: Six user categories for different job profiles

In order to simplify the administration of your employee account at www.videor.com, we have created six different user categories with different rights on our website. This enables you to assign a suitable profile to every employee, from chief buyers to work experience students. The profiles encompass the following individual rights:

This rights system hides or conceals specific information on web pages for users. The administrator, i.e. at least one of your company's employees, is responsible for assignment of rights.

	Admin	Viewing list prices	Viewing net prices	Tracking	Ordering	Availability status
Admin	x	x	x	x	x	x
User category 1		x	x	x	x	x
User category 2		x	x	x		x
User category 3		x	x			x
User category 4		x				x
User category 5				x		x

Up-to-date price lists as PDF or Excel

Many customers have also valued this function for many years. Up-to-date price lists can be generated live, in PDF or Excel format, also displaying your company data and logo if required. These web pages now have a clearer layout on our new website, so now you have a complete overview of all available price lists in table form. In addition, we have brought together the range of manufacturer price lists, which are available as template documents, in their own menu item within the customer area. This is where you can also download a price list of fixed repair fees and service packages.

New: Saving different supplier addresses

This is an interesting expansion for customers who use our shop regularly: You can save different supplier addresses and re-access them when making subsequent orders. Practical for distributors who get us to deliver direct to their customers or onto a worksite.

Improved tracking of order data

You can now easily restrict the different types of order by pull-down menu according to the types of invoice, credit, order or return and sort them according to date. Furthermore, the tracking function with direct forwarding to the carrier's website (e.g. UPS) or the re-sending of old invoices by email are of course still available.

New: Quick order

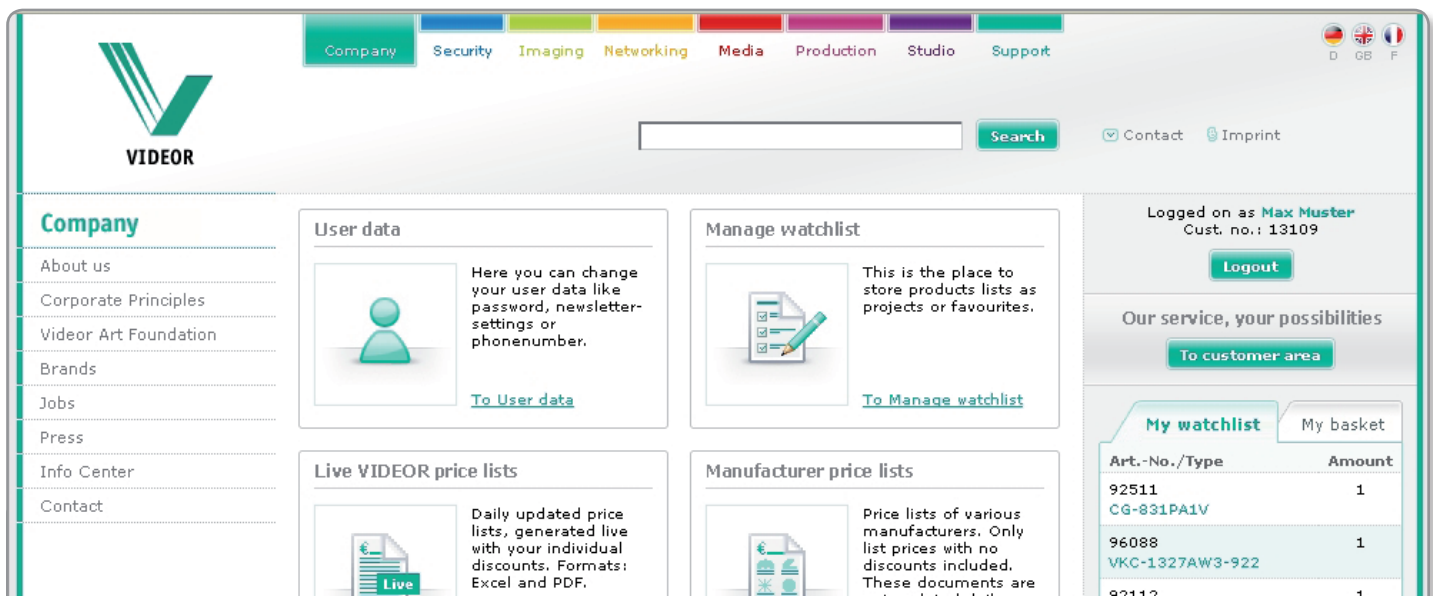
This practical form is now available for quickly purchasing up to 10 items by article number.

New: Search for downloads

In the "Support" area, you will now find a search for downloads as the first item in the menu. This is where you can search for a particular article by available downloads. You can then download the downloads directly from the search results list.

Everything live: Individual prices and availability direct from the ERP System

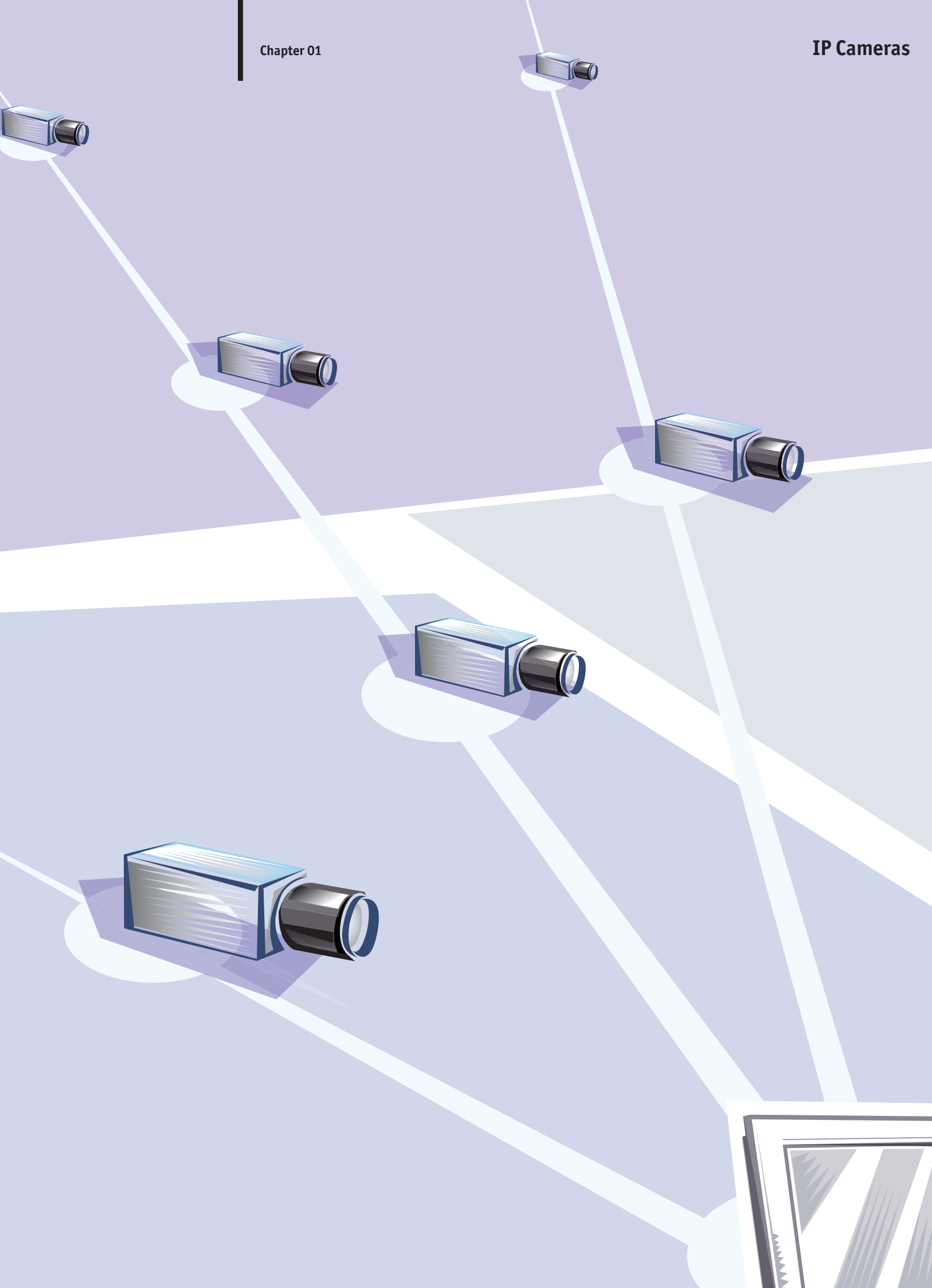
Everything on our new website is of course live and up-to-date. A completely new interface now not only reduces the time required for logging in, it also provides live access to our Enterprise Resource Planning system (ERP) on every web page. This allows you to make calculations and place orders online with greater reliability.



The screenshot shows the VIDEOR website interface. At the top, there is a navigation bar with tabs: Company, Security, Imaging, Networking, Media, Production, Studio, and Support. Below this is a search bar and a "Search" button. The main content area is divided into several sections:


- Company:** A sidebar menu with links to About us, Corporate Principles, Videor Art Foundation, Brands, Jobs, Press, Info Center, and Contact.
- User data:** A section with a user icon and text: "Here you can change your user data like password, newsletter settings or phonenumber." with a link "To User data".
- Manage watchlist:** A section with a document icon and text: "This is the place to store products lists as projects or favourites." with a link "To Manage watchlist".
- Live VIDEOR price lists:** A section with a document icon and text: "Daily updated price lists, generated live with your individual discounts. Formats: Excel and PDF." with a link "Live".
- Manufacturer price lists:** A section with a document icon and text: "Price lists of various manufacturers. Only list prices with no discounts included. These documents are".
- Logged on as Max Muster:** A section showing the user is logged in as Max Muster with customer number 13109 and a "Logout" button.
- Our service, your possibilities:** A section with a link "To customer area".
- My watchlist:** A table showing the user's watchlist with columns "Art.-No./Type" and "Amount".

Art.-No./Type	Amount
92511	1
CG-831PA1V	
96088	1
VKC-1327AW3-922	
92112	1






IP CAMERAS | Standard





System: day&night

	AXIS 221 91455	AXIS 221 OKIT 91481	AXIS 221 OT92K 92313	AXIS 221 OT92NK 97138	BIP-640C-DN 97102
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Resolution (Pixels)	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4, H.264
Image transm. rate max.	60fps	60fps	60fps	45fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	no	no	yes
Focal length	3-8 mm	3-8 mm	3-8 mm	3-8 mm	Lens is not included
Supply voltage	9VDC, PoE	230VAC, PoE	230VAC, PoE	230VAC, PoE	12VDC, PoE
Comments		In Verso Outdoor Housing, with PSU and Wall Bracket	Bundle with Axis T92A00 housing, PSU and wall bracket	Bundle with Axis T9200 housing, T92A21, PSU, wall bracket	

System: day&night

	NWC-0455-10P 91525	NWC-0495-10P 91526	DF3000IP-POE-DN 97332	GLC-1601 91575	GLC-1701/IR 96092
					
Imager	1/3" CCD	1/3" CCD	1/3" DPS (Cam_inPIX)	1/3" CCD	1/3" CCD
Resolution (Pixels)	704 x 576	704 x 576	720 x 540	704 x 576	720 x 576
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MPEG2, MPEG4, MJPEG	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	25fps	25fps	25fps
Integration rate	yes	yes	no	no	no
IR cut filter	lowpass	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	WDR	BLC	BLC
Dig. noise reduction	no	yes	yes	no	no
Activity detection	no	yes	yes	yes	yes
PTZ Support	no	no	n/a	yes	no
Focal length	Lens is not included	Lens is not included	Lens is not included	Lens is not included	3,8-9,5 mm
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	PoE, 24VAC	12VDC, PoE	12VDC
Comments					IR Illumination by 15 integrated 850nm LEDs

System: day&night	GLC-1702 96093  	NTC-2101 93152  	NTC-4101 93153  	NTC-4151/PP 93158  	VN-V25U 91677  
	Imager	1/3" CCD	1/3" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	720 x 576	720 x 576	720 x 576	720 x 576	640 x 480
Compression standard	MJPEG, MPEG4	MPEG4	MPEG4	MPEG4	MJPEG, MPEG4
Image transm. rate max.	25fps	25fps	25fps	25fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	lowpass
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	yes	yes	yes	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	yes	no	no
Focal length	3,8-9,5 mm	Lens is not included	3,9-85,8 mm	3,9-85,8 mm	Lens is not included
Supply voltage	12VDC	12VDC	12VDC	12VDC	24VAC, PoE
Comments			Inspection certificate „BGV-Kassen“		Fullframe-Dualstream

System: day&night	VN-V26U 91678  	IXS0DN 97114  	SNC-550P 120034  	SNC-570P 120035  	SNC-CS20P 92603  
	Imager	1/4" CCD	1/3" CMOS	1/3" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	800 x 600	704 x 576	704 x 576	659 x 494
Compression standard	MJPEG, MPEG4	H.264, MJPEG, MPEG4	MPEG4, JPEG	MPEG4, JPEG	MPEG4, JPEG
Image transm. rate max.	30fps	30fps	25fps	25fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	lowpass
Backlight compensation	BLC	WDR	BLC	WDR	BLC
Dig. noise reduction	no	no	yes	yes	no
Activity detection	yes	optional	yes	yes	yes
PTZ Support	no	no	no	no	no
Focal length	Lens is not included	Lens is not included	Lens is not included	Lens is not included	3,0-8 mm
Supply voltage	24VAC, PoE	24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
Comments	Fullframe-Dualstream	SD-Card, alarm, relais			

IP CAMERAS | Standard

System: day&night

SNC-CS50P
92604

SONY



SNC-Z20/POE
92646

SONY



SNC-Z20P
92644

SONY



Imager	1/3" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	736 x 544	736 x 544
Compression standard	JPEG, MPEG4, H.264	JPEG	JPEG
Image transm. rate max.	25fps	25fps	25fps
Integration rate	yes	yes	yes
IR cut filter	switchable	lowpass	lowpass
Backlight compensation	BLC	BLC	BLC
Dig. noise reduction	no	no	no
Activity detection	yes	yes	yes
PTZ Support	no	no	no
Focal length	2,9-8 mm	4,1-73,8 mm	4,1-73,8 mm
Supply voltage	12VDC, 24VAC, PoE	24VAC, 12VDC, PoE	12VDC, 24VAC, PoE
Comments			

System: Colour

AXIS 206
91448



AXIS 207
91462



AXIS 207SURVKIT
91629



AXIS 207W
91467



AXIS 209FD
91574




Imager	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Resolution (Pixels)	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Compression standard	MJPEG	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	no	no	no	no	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	no	yes	yes	yes	yes
PTZ Support	no	no	no	no	yes
Focal length	4 mm	4 mm	4 mm	4 mm	3 mm
Supply voltage	5VDC	5VDC	5VDC	5VDC	PoE
Comments			Kit consisting of 4 x Axis 207 and CamStation Licence		

ActiveX component

A maximum of 10 users can simultaneously access a NT Series network camera. An ActiveX component is required to display imagery correctly. This component can either be installed directly from the camera or the enclosed CD.

IP Setting Utility

NT Series network cameras do not have a preset IP address. The address can be configured with the supplied software tool "IP Setting Utility" by using the 12-digit MAC address printed on a label on the camera. This allows the IP address to be configured to your network requirements. The default IP address of the GL-Series is 192.168.1.168

System: Colour					
	AXIS 209FD-R 91533 	AXIS 209FD-RM12 92215 	AXIS 210 91427 	AXIS 210 SURKIT 91633 	AXIS 210A 91464 
Imager	1/4" CMOS	1/4" CMOS	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MPEG4, MJPEG	MPEG4, MJPEG
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	no	no	no	no	no
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	no	no	no
Focal length	3 mm	3 mm	4 mm	4 mm	4 mm
Supply voltage	PoE	PoE	9VDC	9VDC	9VDC, PoE
Comments	Rugged, female RJ-45 connector	Rugged, male D-coded M12 connector		Bundle with 4x Axis 210 and a CamStation Licence	

System: Colour					
	AXIS 210A SUKIT 92183 	AXIS 211 91428 	AXIS 211 OT92K 92316 	AXIS 211 OUTVB 91477 	AXIS 211A 91454 
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Compression standard	MPEG4, MJPEG	MPEG4, MJPEG	MJPEG, MPEG4	MPEG4, MJPEG	MPEG4, MJPEG
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	no	no	no	no	no
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	no	no	no
Focal length	4 mm	3-8 mm	3-8 mm	3-8 mm	3-8 mm
Supply voltage	9VDC, PoE	7-20VDC, PoE	230VAC, PoE	230VAC, PoE	9VDC, PoE
Comments	Kit consisting of 4 x Axis 210A and CamStation Licence		Bundle with Axis T92A00 housing, PSU and wall bracket		

NT Manager and GL Manager


NT Manager comes bundled with NT Series network cameras as the management software; it is the GL Manager for GL Series cameras. However, each version of the management software can only manage its own models, mixed operation is therefore not possible.

SDK and SPI descriptions






SDK and SPI descriptions for GL and NT Series network cameras can be requested from Videor free of charge for implementation in a customised software solution.

IP CAMERAS | Standard






System: Colour




	AXIS 211W 91556	AXIS 211W OUTVB 91596	AXIS M1011 92379	AXIS M1011-W 92378	AXIS M1031-W 92377
					
Imager	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Resolution (Pixels)	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	no	no	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	no	no	no
Focal length	3-8 mm	3-8 mm	4,4 mm	4,4 mm	4,4 mm
Supply voltage	9VDC, PoE	230VAC, PoE	5VDC	5VDC	5VDC
Comments		In Verso Outdoor Housing, with PSU and Wall Bracket			

System: Colour

	AXIS P1311 92325	BIP-640C 92248	DF3000IPPOED150 97334	DF3000IPPOED280 97333	GLC-1401 91535
					
Imager	1/4" CMOS	1/3" CCD	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" CCD
Resolution (Pixels)	640 x 480	640 x 480	720 x 540	720 x 540	704 x 576
Compression standard	H.264, MJPEG, MPEG4	MJPEG, MPEG4, H.264	MPEG2, MPEG4, MJPEG	MPEG2, MPEG4, MJPEG	MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	25fps	25fps	25fps
Integration rate	n/a	yes	no	no	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	WDR	WDR	BLC
Dig. noise reduction	no	no	yes	yes	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	yes	n/a	n/a	yes
Focal length	4 mm	Lens is not included	15-50 mm	2,8-8 mm	Lens is not included
Supply voltage	8-20VDC, PoE	12VDC, PoE	PoE, 24VAC	PoE, 24VAC	5VDC
Comments			CasinoCam version	CasinoCam version	

Products in the tables above are sorted by: 1. Brand, 2. Type

System: Colour	GLC-1401/PP312 96081	GLC-1401/PP38 96080	GLC-1602H 92515	IXSOC 97113	SNC-CS10P 92642
					
					
	Imager	Imager	Imager	Imager	Imager
	Resolution (Pixels)	Resolution (Pixels)	Resolution (Pixels)	Resolution (Pixels)	Resolution (Pixels)
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CMOS	1/4" CCD
Resolution (Pixels)	704 x 576	704 x 576	704 x 576	800 x 600	640 x 480
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, H.264	H.264, MJPEG, MPEG4	JPEG, MPEG4
Image transm. rate max.	25fps	25fps	25fps	30fps	25fps
Integration rate	no	no	no	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	BLC	WDR	no
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	optional	yes
PTZ Support	yes	yes	yes	no	no
Focal length	2,8-12 mm	3-8 mm	Lens is not included	Lens is not included	Lens is not included
Supply voltage	230VAC	230VAC	12VDC	24VAC, PoE	12VDC, 24VAC
Comments	In VHM Weatherproof Housing	In VHM Weatherproof Housing		SD-Card, alarm, relais	



System: Colour	SNC-CS11P 92643	SNC-P1 92645
		
		
	Imager	Imager
	Resolution (Pixels)	Resolution (Pixels)
Imager	1/4" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	640 x 480
Compression standard	JPEG, MPEG4	MPEG4, JPEG
Image transm. rate max.	25fps	30fps
Integration rate	yes	yes
IR cut filter	standard	standard
Backlight compensation	no	no
Dig. noise reduction	no	no
Activity detection	yes	yes
PTZ Support	no	no
Focal length	3-8 mm	3,8 mm
Supply voltage	12VDC, 24VAC, PoE	12VDC
Comments		

IP CAMERAS | Megapixel

System: day&night

	AXIS 223M 91527	AXIS 223M OKIT 91597	AXIS 223M OT92K 92315	AXIS Q1755 50HZ 92326	AXIS Q1755 MDSP 92327
					
Imager	1/2,7" CCD	1/2,7" CCD	1/2,7" CCD	1/3" CMOS	1/3" CMOS
Resolution (Pixels)	1600 x 1200	1600 x 1200	1600 x 1200	1920 x 1080	1920 x 1080
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	H.264, MJPEG	H.264, MJPEG
Image transm. rate max.	12fps	12fps	12fps	30fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	no	no	no
Focal length	4-8 mm	4-8 mm	4-8 mm	5,1-51 mm	5,1-51 mm
Supply voltage	9VDC, PoE	230VAC, PoE	230VAC, PoE	8-20VDC, 20-24VAC, PoE	8-20VDC, 20-24VAC, PoE
Comments		In Verso Outdoor Housing, with PSU and Wall Bracket	In Axis T92A00 Housing, with PSU and Wall Bracket		Bundled with PoE Midspan

System: day&night

	AXIS Q1755 T92A 97073	BIP-1000C-DN 97103	BIP-1300C-DN 97104	BIP-1600C-DN 97398	VN-X35U 92317
					
Imager	1/3" CMOS	1/3" CCD	1/3" CCD	1/1,8" CCD	1/3" CCD
Resolution (Pixels)	1920 x 1080	1024 x 768	1280 x 960	1600 x 1200	1280 x 960
Compression standard	H.264, MJPEG	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264	MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps	12,5fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	lowpass
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	yes	yes	yes	yes
Focal length	5,1-51 mm	Lens is not included	Lens is not included	10-40 mm	Lens is not included
Supply voltage	230VAC, PoE	12VDC, PoE	12VDC, PoE	12VDC, PoE	24VAC, PoE
Comments	Bundle with Axis T92A00 housing, PSU and wall bracket				

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

IX10DN
97106

PELCO



IX30DN
97108

PELCO



IXE20DN
97112

PELCO



SNC-CM120
92602

SONY



Imager	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CCD
Resolution (Pixels)	1280 x 1024	2048 x 1536	1920 x 1080	1280 x 960
Compression standard	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	JPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps	30fps
Integration rate	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable
Backlight compensation	WDR	WDR	WDR	BLC
Dig. noise reduction	no	no	no	no
Activity detection	optional	optional	optional	yes
PTZ Support	no	no	no	yes
Focal length	Lens is not included	Lens is not included	Lens is not included	2,8-6 mm
Supply voltage	24VAC, PoE	24VAC, PoE	24VAC, PoE	12VDC, 24VAC, PoE
Comments	SD-Card, alarm, relais	SD-Card, alarm, relais	SD-Card, alarm, relais, video analysis	

System: Colour

AXIS 207MW
91496



AXIS 209MFD
91549



AXIS 209MFD-R
91651



AXIS 209MFD-RM12
92216



AXIS 211M
91553



Imager	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/4" CMOS	1/3" CMOS
Resolution (Pixels)	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MPEG4, MJPEG
Image transm. rate max.	14fps	12fps	12fps	12fps	30fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	no	BLC	no	no	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	no	no	no
Focal length	3,6 mm	3,6 mm	3,6 mm	3,6 mm	3-8 mm
Supply voltage	5VDC	PoE	PoE	PoE	9VDC, PoE
Comments			Rugged, female RJ-45 connector	Rugged, male D-coded M12 connector	

IP CAMERAS | Megapixel

System: Colour

AXIS 211M OT92K
92314



AXIS 211M OUTVB
91595



BIP-1000C
92222



BIP-1300C
92227



BIP-1600C
92223



Imager	1/3" CMOS	1/3" CMOS	1/3" CCD	1/3" CCD	1/1,8" CCD
Resolution (Pixels)	1280 x 1024	1280 x 1024	1024 x 768	1280 x 960	1600 x 1200
Compression standard	MJPEG, MPEG4	MPEG4, MJPEG	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264
Image transm. rate max.	30fps	30fps	30fps	30fps	12,5fps
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	yes	yes	yes
Focal length	3-8 mm	3-8 mm	Lens is not included	Lens is not included	Lens is not included
Supply voltage	230VAC, PoE	230VAC, PoE	12VDC, PoE	12VDC, PoE	12VDC, PoE
Comments	Bundle with Axis T92A00 housing, PSU and wall bracket	In Verso Housing, with PSU and Wall Bracket			

System: Colour

IX10C
97105



IX30C
97107



IXE20C
97109



Imager	1/3" CMOS	1/3" CMOS	1/3" CMOS
Resolution (Pixels)	1280 x 1024	2048 x 1536	1920 x 1080
Compression standard	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Image transm. rate max.	30fps	30fps	30fps
Integration rate	yes	yes	yes
IR cut filter	standard	standard	standard
Backlight compensation	WDR	WDR	WDR
Dig. noise reduction	no	no	no
Activity detection	optional	optional	optional
PTZ Support	no	no	no
Focal length	Lens is not included	Lens is not included	Lens is not included
Supply voltage	24VAC, PoE	24VAC, PoE	24VAC, PoE
Comments	SD-Card, alarm, relais	SD-Card, alarm, relais	SD-Card, alarm, relais, video analysis

Products in the tables above are sorted by: 1. Brand, 2. Type




AXIS T90A66 PB 92395 	AXIS CAMST04 DE 91598 	AXIS CAMST04 EU 91486 	AXIS CAMST10 DE 91445 	AXIS CAMST10 EU 91599 	AXIS 206/207VRH 92397 	AXIS AVTPSC 97328 
Assembling Pole Bracket: Pole Diameter 80-150mm for AXIS T90A illuminators	Full Version Camera Station Video Management Software 4 Channels (max. 50 Cameras), German	Full Version Camera Station Video Management Software 4 Channels (max. 50 Cameras), Europe	Full Version Camera Station Video Management Software 10 Channels (max. 50 Cameras), German	Full Version Camera Station Video Management Software 10 Channels (max. 50 Cameras), Europe	Housings Vandalism Resistant Housing for AXIS 206/207	Housings Housing, vandal-resistant, for Axis 210, 210A, 211, 211A, 221, 223M, Q1755
AXIS T92A00 92309 	AXIS T92A20 97345 	VT VERSO 91495 	AXIS 295 91492 	AXIS WBJA 91647 	AXIS WBOVA1 91624 	AXIS WCM3A 91625 
Housings AXIS T92A00 housing für Axis 210/A, 211/A/M/W, 221, 223M	Housings AXIS T92A20 housing for Axis 210/A, 211/A/M/W, 223M, P1311, Q1755, HPoE Midspan	Housings Protective Housing for network cameras	Input Devices Video Surveillance Joystick for PTZ and Dome Network Cameras, USB Port	Mounting Wall Bracket with Ball Joint for Verso Outdoor Housing	Mounting Wallbracket with Internal Cable Channel for Axis VT-Verso Outdoor Housing	Mounting Ceiling Bracket with Ball Joint for Axis VT-Verso Outdoor Housing, square tube
AXIS WCPA 97068 	AXIS WSFPA 91627 	AXIS 1P-MIDSPAN 91498 	AXIS 8P-MIDSPAN 92204 	AXIS OHEPS19 91646 	AXIS OH0VPS1B 93018 	AXIS POE-16PORT 91652 
Mounting Wall Bracket Adapter Plate WCPA for AXIS T92A00/T92A10	Mounting Pole Mount Adapter for WBJA and WBOA1	Power Supplies 1-Port Power-over-Ethernet Midspan	Power Supplies 8-Port Power-over-Ethernet Midspan	Power Supplies Wide Range Power Supply for VT-Verso Outdoor Housing	Power Supplies Power Supply Unit for Axis HOV Housing 110/230VAC-12VDC/1A	Power Supplies Power-over-LAN Midspan 12VDC, Active 16x Midspan, 90-264VAC
AXIS POE1ASP12V 92394 	AXIS POE1ASP18V 91628 	AXIS POE5ASPO5V 92386 	AXIS PS-K 92198 	AXIS PS12 92256 	AXIS T8121 92321 	AXIS T8126 92267 
Power Supplies Power-over-LAN Midspan 12VDC, Active 1x Splitter, for AXIS 213, 230	Power Supplies Power-over-LAN Active Splitter (Axis 20x NW-cameras are not supported)	Power Supplies Power-over-LAN Active Splitter, 5VDC	Power Supplies Power supply PS-K 9V/1A for AXIS 211/A, 241S/SA/QA, for EUR, UK, USA	Power Supplies 13VDC Outdoor Power Supply IP67 for AXIS 225FD Outdoor Housing	Power Supplies 1-Port High Power-over-Ethernet Midspan	Power Supplies 1-Port High Power-over-Ethernet Splitter 12 VDC / 2 A

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type








IP CAMERAS | Accessories




AXIS 16-MP 10X 92286 	AXIS 2.8-MP 10X 92249 	AXIS 211W LPROT 92398 	AXIS 211W OANT 92217 	AXIS 213CM 91591 	AXIS 3.6-MP 10X 92284 	AXIS 6.0-MP 10X 92285 
Product Addition Megapixel Lens 16mm/ F1.8 M12x0.5 for AXIS 209FD/MFD (10 units)	Product Addition Megapixel Lens 2.8mm/ F2.6 M12x0.5 for AXIS 209FD/-R, 209MFD/-R (10 Units)	Product Addition Lightning protector AXIS 211W, when using the Outdoor Antenna	Product Addition Outdoor Antenna Kit (incl. con- nector) 456mm, Range:approx.300m, mast mounting	Product Addition Connection Module for Axis 213 PTZ	Product Addition Megapixel Lens 3.6mm/ F1.8 M12x0.5 for AXIS 209FD/MFD (10 units)	Product Addition Megapixel Lens 6.0mm/ F2.0 M12x0.5 for AXIS 209FD/MFD (10 Units)
AXIS IR-ILLUM30 92287 	AXIS IR-ILLUM60 92273 	AXIS MP 2.4-6 92323 	AXIS MP 5-50 97416 	AXIS MPEG4DEC50 91641 	AXIS OAVTPSCH1 97329 	AXIS OAVTPSCPS1 97331 
Product Addition LED-Infrared Illumina- tor 850nm, 30° 13W, with Power Supply 100-240VAC	Product Addition LED-Infrared Illumina- tor 850nm, 60° 13W, with Power Supply 100-240VAC	Product Addition AXIS Varifocal Lens 2.4-6mm MP for AXIS 211M, 223M	Product Addition AXIS Varifocal Lens 5-50mm MP for AXIS 211M	Product Addition MPEG-4 Decoder 50- user licence pack	Product Addition Heater Kit for Housing AXIS OAVTPSCH1	Product Addition Power Supply Unit for Housing AXIS OAVTPSCH1
AXIS T90A01 92519 	AXIS T90A21 92251 	AXIS T90A33 97072 	AXIS T90A37 97183 	AXIS T90A40 92178 	AXIS VARIFL5-50 92228 	AXIS WJB OHEGB 92305 
Product Addition LED-Infrared Illumina- tor 850nm, 50°, PoE 10W, with Power Supply 100-240VAC	Product Addition LED-Infrared Illumina- tor 850nm, 50-100° 20W, with Power Supply 100-240VAC	Product Addition LED-Infrared Illumina- tor 850nm, 10-20° 50W, with Power Supply 100-240VAC	Product Addition LED-Infrared Illumina- tor 850nm, 30-60° 50W, with Power Supply 100-240VAC	Product Addition LED-Infrared Illumina- tor 850nm, 120-180° 80W, with Power Supply 100-240VAC	Product Addition AXIS Varifocal Lens 5-50mm, F1.8 for AXIS 211, 211A, 211W	Product Addition Waterproof Junction Box OHEGB white
AXIS CAMST 20UG 92224 	AXIS CAMST01 UG 91488 	AXIS CAMST05 UG 91487 	IPCAM12VDC/6W 92225 	VIDOS LITE 16 71686 	VIDOS LITE 32 71687 	VIDOS LITE 64 71688 
Software Extensions 20-Channel Upgrade Camera Station Base Pack 4/10 (Multilingu- al), License Code	Software Extensions 1-channel Upgrade Camera Station, Base Pack (Multilingual), License Code	Software Extensions 5-channel upgrade Camera Station Base Pack 4/10 (Multilingu- al), License Code	Power Supplies Switching PSU with Interchangeable Input Plugs, for all Basler cameras	Full Version VIDOS Lite Viewer, 16 Cameras, License for 1 PC	Full Version VIDOS Lite Viewer, 32 Cameras, License for 1 PC	Full Version VIDOS Lite Viewer, 64 Cameras, License for 1 PC

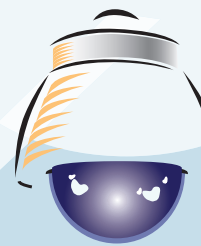
Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

VIDOS LITE 8 71685  	VIDOS-NVR16 71650  	VIDOS-NVR32 71651  	VIDOS-NVR64 71652  	VIDOS/16 71646  	VIDOS/32 71647  	VIDOS/64 71648  
Full Version VIDOS Lite Viewer, 8 Cameras, License for 1 PC	Full Version Recording and Alarm Management Software License for Recording of 16 Cameras	Full Version Recording and Alarm Management Software License for Recording of 32 Cameras	Full Version Recording and Alarm Management Software License for Recording of 64 Cameras	Full Version Recording and Alarm Management Software 16 Cameras/Monitors, License for 1 PC	Full Version Recording and Alarm Management Software 32 Cameras/Monitors, License for 1 PC	Full Version Recording and Alarm Management Software 64 Cameras/Monitors, License for 1 PC
VIDOS/UNLIMITED 71649  	VIDOS-PRO DEMO 71715  	DPU-240W 97507  	NETZTEIL 24V AC 97505  	GL-MANAGER 91538  	EHL-W/ECLKA-NW 79658  	GLD/CMB-1 92521  
Full Version Recording and Alarm Management Software Unlimited Cam/Monitors, License for 1 PC	Software Modules Recording and Alarm Management Software Unlimited Cam/Monitors, version for 1 PC	Power Supplies Power Supply Unit 24/28VAC for the supply of up to 20 cameras	Power Supplies Universal power supply unit 240VAC/24VAC removable adapter EU/UK/US/AUS	Full Version Remote Administration Interface Software for eneo NW Series GL	Housings Weatherproof Housing w. RJ-45 Connector, Heater/Thermostat, Wall Bracket, RAL9002	Mounting Pendant Mount Bracket for GLD-1501/IR
NE-128 70449  	VT-PS12DC-10 70543  	VT-PS12DC-9 70536  	EHL-BLS/12VDC 79665  	NT-MANAGER 93156  	SU-6 79604  	CM1750S 97385  
Power Supplies Voltage supply unit 230V/24VAC-5A, IP66	Power Supplies Plugable AC/DC Adapter 100-240V/12VDC- 2.5A, stab., Cont. & UK Mains plug-ins	Power Supplies Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, w. open Ends	Product Addition Blower Kit 230V/50Hz with Thermostat for EHL-W/ECLKB Housing, 12VDC	Product Addition Remote Administration Interface Software for eneo NW Series NT	Product Addition Camera Height Adjustment Kit for VHk and EHL Housings (3 Diff. Slides and Screws)	Mounting Pelco wall mount universal
EM4400 97386  	SNM-128P 120037  	SNM-64P 120038  	SNR-16A 120041  	SNR-32A 120042  	SNR-9A 120045  	IMZ-NS101M 92673  
Mounting Pelco wall mount	Full Version Video Management Software, Full Version, up to 128 Channels, PTZ, Audio, Sensor	Full Version Video Management Software, Full Version, up to 64 Channels, PTZ, Audio, Sensor	Full Version 32 Channel Network Recorder Software 480fps, D1, 16 Audio/Video Streams	Full Version 32 Channel Network Recorder Software 480fps, D1, 32 Audio/Video Streams	Full Version 9 Channel Network Recorder Software 270fps, D1, 9 Audio/Video Streams	Full Version RealShot Manager Advance/Control Softw. Licence for one Networked Video Source

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

IMZ-NS104M 92674	IMZ-NS109M 92675	IMZ-NS116M 92676	IMZ-NS132M 92677	SNCA-HFIXED/230 92687	SNCA-HFIXED/24 92688	SNCA-HFIXSML230 92691
SONY	SONY	SONY	SONY	SONY	SONY	SONY
						
Full Version	Full Version	Full Version	Full Version	Housings	Housings	Housings
RealShot Manager Advance/Control Softw. Licence for 4 Net- worked Video Sources	RealShot Manager Advance/Control Softw. Licence for 9 Net- worked Video Sources	RealShot Manager Advance/Control Softw. Licence for 16 Net- worked Video Sources	RealShot Manager Advance/Control Softw. Licence for 32 Net- worked Video Sources	Outdoor Camera Housing for SNC-CS50P, SNC-P1, SNC-Z20P, 230VAC, IP66	Outdoor Camera Housing for SNC-CS50P, SNC-P1, SNC-Z20P, 24VAC, 12VDC, IP66	Outdoor Camera Housing 230VAC, IP66

SNCA-HFIXSML24 92689	SNCA-AN1 92693	SNCA-CFADAPT 92694
SONY	SONY	SONY
		
Housings	Product Addition	Product Addition
Outdoor Camera Housing 24VAC, 12VDC, IP66	Wireless Lan Antenna	Compact Flash (CF) to PCMCIA Adaptor



IP DOME CAMERAS | Fixed

System: day&night

AXIS 225FD
91468



AXIS 225FD 22MM
91643



AXIS P3343 12MM
97365



AXIS P3343 6MM
97366



AXIS P3343V12MM
97367



Imager	1/4" CCD	1/4" CCD	1/4" CMOS	1/4" CMOS	1/4" CMOS
Resolution (Pixels)	640 x 480	640 x 480	800 x 600	800 x 600	800 x 600
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Video outputs (type)	no	no	no	no	no
Integration rate	yes	yes	no	no	no
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	2,8-5,8 mm	9-22 mm	3,3-12 mm	2,5-6 mm	3,3-12 mm
Prot. rating / Colour (bubble)	IP66 / clear	IP66 / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	yes	yes	no	no	yes
Supply voltage	9VDC, PoE	9VDC, PoE	PoE	PoE	PoE
Comments					

System: day&night

AXIS P3343V6MM
97368



AXIS P3343VE12M
97358



AXIS P3343VE6MM
97369



AXIS P3344 12MM
97359



AXIS P3344 6MM
97371



Imager	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Resolution (Pixels)	800 x 600	800 x 600	800 x 600	1280 x 800	1280 x 800
Compression standard	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Video outputs (type)	no	no	no	no	no
Integration rate	no	no	no	no	no
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	2,5-6 mm	3,3-12 mm	2,5-6 mm	3,3-12 mm	2,5-6 mm
Prot. rating / Colour (bubble)	n/a / clear	IP66 / clear	IP66 / clear	n/a / clear	n/a / clear
Vandalism resistant	yes	yes	yes	no	no
Supply voltage	PoE	PoE	PoE	PoE	PoE
Comments					

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

AXIS P3344V12MM
97372

AXIS P3344V6MM
97361

AXIS P3344VE12M
97362

AXIS P3344VE6MM
97363

NWD-455V03-10P
92193


Imager	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/3" CCD
Resolution (Pixels)	1280 x 800	1280 x 800	1280 x 800	1280 x 800	704 x 576
Compression standard	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	JPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Video outputs (type)	no	no	no	no	CVBS
Integration rate	no	no	no	no	yes
IR cut filter	switchable	switchable	switchable	switchable	lowpass
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3,3-12 mm	2,5-6 mm	3,3-12 mm	2,5-6 mm	2,6-6 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	IP66 / clear	IP66 / clear	IP54 / clear
Vandalism resistant	yes	yes	yes	yes	yes
Supply voltage	PoE	PoE	PoE	PoE	12VDC, 24VAC, PoE
Comments					

System: day&night

NWD-495V03-10P
92194

DDF3000IPVDN310
92239

DDF3000IPVDN922
92236

GLD-1501/IR
92392

VN-V225U
97388


Imager	1/3" CCD	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" CCD	1/4" CCD
Resolution (Pixels)	704 x 576	720 x 540	720 x 540	704 x 576	640 x 480
Compression standard	JPEG, MPEG4	MJPEG, MPEG2, MPEG4	MJPEG, MPEG2, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	30fps	25fps	25fps	25fps	30fps
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Integration rate	yes	no	no	no	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	WDR	WDR	BLC	BLC
Dig. noise reduction	no	yes	yes	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3-9 mm	2,9-10 mm	9-22 mm	3,3-12 mm	2,8-10,5 mm
Prot. rating / Colour (bubble)	IP54 / clear	IP67 / clear	IP67 / clear	IP20 / clear	n/a / clear
Vandalism resistant	yes	yes	yes	yes	no
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC	PoE, 24VAC
Comments				IR Illumination by 18 integral 850nm LEDs	Fullframe-Dualstream

System: day&night

VN-V225VPU
97242

JVC



VN-X235U
97389

JVC



VN-X235VPU
97243

JVC



IP110-DNV9X
92367

PELCO



IP110-DWV9X
92366

PELCO



Imager	1/4" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CMOS
Resolution (Pixels)	640 x 480	1280 x 960	1280 x 960	704 x 576	704 x 576
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	30fps	15fps	15fps	30fps	30fps
Video outputs (type)	no	CVBS	no	CVBS	CVBS
Integration rate	yes	yes	yes	no	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	WDR
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	2,8-10,5 mm	3,0-9,0 mm	3,0-9,0 mm	3-9,5 mm	3-9,5 mm
Prot. rating / Colour (bubble)	IP66 / clear	n/a / clear	IP66 / clear	IP66 / tinted	IP66 / tinted
Vandalism resistant	yes	yes	yes	yes	yes
Supply voltage	24VAC, PoE	PoE, 24VAC	24VAC, PoE	24VAC, PoE	24VAC, PoE
Comments	Fullframe-Dualstream	Fullframe-Dualstream	Fullframe-Dualstream		

System: day&night

SND-460VP
120107

SAMSUNG



SND-560P
120036

SAMSUNG



SNC-DF80P
92649

SONY



SNC-DF80P/POE
92651

SONY



SNC-DF85P
92606

SONY



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Resolution (Pixels)	752 x 582	704 x 576	640 x 480	640 x 480	640 x 480
Compression standard	MPEG4, JPEG	MPEG4, JPEG	JPEG, MPEG4, H.264	JPEG, MPEG4, H.264	H.264, MPEG4, JPEG
Image transm. rate max.	25fps	25fps	25fps	25fps	25fps
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Integration rate	yes	yes	no	no	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, HLC	WDR, BLC, HLC	BLC	BLC	WDR
Dig. noise reduction	yes	yes	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	2,8-10 mm	2,8-10 mm	2,8-10 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	IP66 / clear	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	yes	no	yes	yes	yes
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
Comments				Bundle with Midspan SNCA-POE1	

System: day&night

SNC-DF85P/POE
92647

SONY

SNC-DM160
92648

SONY

SNC-DS60
92652





SONY




Imager	1/3" CCD	1/3" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	1280 x 960	768 x 576
Compression standard	JPEG, MPEG4, H.264	JPEG, MPEG4	JPEG, MPEG4
Image transm. rate max.	25fps	30fps	30fps
Video outputs (type)	CVBS	CVBS	CVBS
Integration rate	yes	yes	yes
IR cut filter	switchable	switchable	switchable
Backlight compensation	WDR	BLC	BLC
Dig. noise reduction	no	no	no
Activity detection	yes	yes	yes
Focal length	2,8-10 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	n/a / clear	IP66 / clear	IP66 / clear
Vandalism resistant	yes	yes	yes
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	PoE, 24VAC, 12VDC
Comments	Bundle with Midspan SNCA-POE1		

IP DOME CAMERAS | Fixed










System: Colour







	AXIS 216FD 91478	AXIS 216FD-V 91532	AXIS 216MFD 91541	AXIS 216MFD-V 91586	AXIS M3011 92328
					
Imager	1/4" CMOS	1/4" CMOS	1/3" CCD	1/3" CCD	1/4" CMOS
Resolution (Pixels)	640 x 480	640 x 480	1280 x 1024	1280 x 1024	640 x 480
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	H.264, MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Video outputs (type)	no	no	no	no	no
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	no	no	no	no	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	2,8-10 mm	2,8-10 mm	2,8-10 mm	2,8-10 mm	3 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	no	yes	no	yes	no
Supply voltage	5VDC, PoE	5VDC, PoE	5VDC, PoE	5VDC, PoE	PoE
Comments					

System: Colour

	AXIS M3014 92534	AXIS P3301 91653	AXIS P3301-V 91654	DDF3000IPV-D310 92241	DDF3000IPV-D922 92242
					
Imager	1/4" CMOS	1/4" CCD	1/4" CCD	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)
Resolution (Pixels)	1280 x 800	640 x 480	640 x 480	720 x 540	720 x 540
Compression standard	H.264, MJPEG	MJPEG, H.264	MJPEG, H.264	MJPEG, MPEG2, MPEG4	MJPEG, MPEG2, MPEG4
Image transm. rate max.	30fps	30fps	30fps	25fps	25fps
Video outputs (type)	no	no	no	CVBS	CVBS
Integration rate	yes	yes	yes	no	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	WDR	WDR	WDR	WDR
Dig. noise reduction	no	no	no	yes	yes
Activity detection	yes	yes	yes	yes	yes
Focal length	2,9 mm	2,8-10 mm	2,8-10 mm	2,9-10 mm	9-22 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	IP67 / clear	IP67 / clear
Vandalism resistant	no	no	yes	yes	yes
Supply voltage	PoE	5VDC, PoE	5VDC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
Comments				CasinoCam version	CasinoCam version

Products in the tables above are sorted by: 1. Brand, 2. Type

System: Colour	GLD-1401 91576	NTD-2101 93154	IP110-CHV9X 92368	SNC-DF50P 92657	SNC-DF50P/POE 92658
	 	 	 	 	 
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Resolution (Pixels)	704 x 576	720 x 576	704 x 576	640 x 480	640 x 480
Compression standard	MJPEG, MPEG4	MPEG4	MJPEG, MPEG4	JPEG, MPEG4, H.264	JPEG, MPEG4, H.264
Image transm. rate max.	25fps	25fps	30fps	25fps	25fps
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Integration rate	no	yes	no	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	no	BLC	BLC	WDR	WDR
Dig. noise reduction	no	yes	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3,6 mm	4-9 mm	3-9,5 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	IP54 / clear	IP66 / clear	IP66 / tinted	n/a / clear	n/a / clear
Vandalism resistant	yes	yes	yes	no	no
Supply voltage	12VDC	12VDC	24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
Comments					Bundle with Midspan SNCA-POE1

System: Colour	SNC-DM110 92619	SNC-DS10P 92605	SNC-DS10P/POE 97129
	 	 	 
Imager	1/3" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	1280 x 960	768 x 576	768 x 576
Compression standard	JPEG, MPEG4	JPEG, MPEG4	JPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps
Video outputs (type)	CVBS	CVBS	CVBS
Integration rate	yes	yes	yes
IR cut filter	standard	standard	standard
Backlight compensation	BLC	BLC	BLC
Dig. noise reduction	no	no	no
Activity detection	yes	yes	yes
Focal length	2,8-9,5 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
Comments			Bundle with Midspan SNCA-POE1

IP DOME CAMERAS | PTZ

System: day&night

AXIS 213PTZ
91443



AXIS 214PTZ
91469



AXIS 215PTZ
91554



AXIS 215PTZ-E
92353



AXIS 232D+
91494



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Compression standard	MJPEG, MPEG4	MPEG4, MJPEG	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps	25fps	30fps
Video outputs (type)	optional	no	no	no	no
Integration rate	no	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3,5-91 mm	4,1-73,8 mm	3,8-46 mm	3,8-46 mm	4,1-73,8 mm
Rotation range	340 °	170 °	360 °	360 °	360 °
Prot. rating / Colour (bubble)	n/a / -	n/a / -	n/a / clear	IP66 / clear	n/a / clear
Vandalism resistant	no	no	no	no	no
Supply voltage	12VDC	12VDC	12VDC	100-230VAC	24VDC, 24VAC

System: day&night

AXIS 233D
91531



AXIS Q6032E50HZ
97364



DDZ3018-IM/HS/I
97478



DDZ3018-SM/HS/I
97479



DDZ3018-WM/HS/I
97480



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	768 x 576	704 x 576	720 x 540	720 x 540	720 x 540
Compression standard	MJPEG, MPEG4	H.264, MJPEG	MPEG2, MPEG4, MJPEG	MPEG2, MPEG4, MJPEG	MPEG2, MPEG4, MJPEG
Image transm. rate max.	30fps	25fps	25fps	25fps	25fps
Video outputs (type)	no	no	CVBS	CVBS	CVBS
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	WDR	WDR	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3,4-119 mm	3,4-119 mm	4,1-73,8 mm	4,1-73,8 mm	4,1-73,8 mm
Rotation range	360 °	360°	360°	360°	360°
Prot. rating / Colour (bubble)	n/a / clear	IP66 / clear	n/a / clear	n/a / clear	IP67 / clear
Vandalism resistant	no	no	no	no	no
Supply voltage	24VDC	High PoE	24VAC, 28VAC	24VAC, 28VAC	24VAC, 28VAC

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

DDZ3026-IM/HS/I
97481

Dallmeier


DDZ3026-SM/HS/I
97482

Dallmeier


DDZ3026-WM/HS/I
97483

Dallmeier


DDZ3036-IM/HS/I
97484

Dallmeier


DDZ3036-SM/HS/I
97485

Dallmeier



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	720 x 540	720 x 540	720 x 540	720 x 540	720 x 540
Compression standard	MPEG2, MPEG4, MJPEG	MPEG2, MPEG4, MJPEG	MPEG2, MPEG4, MJPEG	MPEG2, MPEG4, MJPEG	MPEG2, MPEG4, MJPEG
Image transm. rate max.	25fps	25fps	25fps	25fps	25fps
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3,5-91 mm	3,5-91 mm	3,5-91 mm	3,4-122,4 mm	3,4-122,4 mm
Rotation range	360°	360°	360°	360°	360°
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	IP67 / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no	no	no
Supply voltage	24VAC, 28VAC	24VAC, 28VAC	24VAC, 28VAC	24VAC, 28VAC	24VAC, 28VAC

System: day&night

DDZ3036-WM/HS/I
97486

Dallmeier


NTD-6101/18
93151

eneo


VN-V685U
92319

JVC


VN-V686BU
91683

JVC


VN-V686WPBU
91684

JVC



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	720 x 540	720 x 576	640 x 480	640 x 480	640 x 480
Compression standard	MPEG2, MPEG4, MJPEG	MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	25fps	25fps	30fps	30fps	30fps
Video outputs (type)	CVBS	CVBS	no	no	no
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	yes	yes	yes
Activity detection	yes	yes	yes	yes	yes
Focal length	3,4-122,4 mm	4,1-73,8 mm	3,4-92,6 mm	3,4-122 mm	3,4-122 mm
Rotation range	360°	360 °	360 °	360 °	360 °
Prot. rating / Colour (bubble)	IP67 / clear	IP40 / clear	IP40 / clear	IP40 / clear	IP66 / clear
Vandalism resistant	no	no	no	no	no
Supply voltage	24VAC, 28VAC	12VDC	24VAC, PoE	24VAC, PoE	24VAC, PoE

Products in the tables above are sorted by: 1. Brand, 2. Type

IP DOME CAMERAS | PTZ

System: day&night

SD4N18-PG-E1-X
70983

PELCO



SNP-1000AP
120039

SAMSUNG
SAMSUNG TECHWIN



SNP-3300AP
120040

SAMSUNG
SAMSUNG TECHWIN



SNC-RX530/OUTDO
92663

SONY



SNC-RX530P/BC
92608

SONY



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	704 x 576	704 x 576	704 x 576	640 x 480	640 x 480
Compression standard	MPEG4, MJPEG	MPEG4, JPEG	MPEG4, JPEG	JPEG, MPEG4, H.264	JPEG, MPEG4, H.264
Image transm. rate max.	30fps	25fps	25fps	25fps	25fps
Video outputs (type)	no	CVBS	CVBS	CVBS	CVBS
Integration rate	yes	yes	yes	yes	yes
IR cut filter	lowpass	switchable	switchable	switchable	switchable
Backlight compensation	WDR	BLC	WDR, BLC	BLC	BLC
Dig. noise reduction	no	yes	yes	no	no
Activity detection	no	yes	yes	yes	yes
Focal length	3,8-68,4 mm	3,8-38 mm	3,3-99 mm	4,1-73,8 mm	4,1-73,8 mm
Rotation range	360 °	350 °	360°	360°	360°
Prot. rating / Colour (bubble)	IP66 / clear	n/a / -	n/a / clear	IP66 / clear	n/a / -
Vandalism resistant	no	no	no	no	no
Supply voltage	24VAC, 24VDC	12VDC	24VAC	24VAC	24VAC, 12VDC

System: day&night

SNC-RX530P/WCE
92662

SONY



SNC-RX550/OUTDO
92661

SONY



SNC-RX550P/BC
92635

SONY



SNC-RX550P/WCE
92659

SONY



SNC-RX570/OUTDO
92666

SONY



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Compression standard	JPEG, MPEG4, H.264	JPEG, MPEG4, H.264	H.264, MPEG4, JPEG	JPEG, MPEG4, H.264	JPEG, MPEG4, H.264
Image transm. rate max.	25fps	25fps	25fps	25fps	25fps
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	4,1-73,8 mm	3,5-91 mm	3,5-91 mm	3,5-91 mm	3,4-122,4 mm
Rotation range	360°	360°	360°	360°	360°
Prot. rating / Colour (bubble)	n/a / -	IP66 / clear	n/a / -	n/a / -	IP66 / clear
Vandalism resistant	no	no	no	no	no
Supply voltage	12VDC, 24VAC	24VAC	12VDC, 24VAC	12VDC, 24VAC	24VAC

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

SNC-RX570P/BC
92664

SONY


SNC-RX570P/WCE
92665

SONY


SNC-RZ25P
92607

SONY


SNC-RZ25P/OUTDO
92639

SONY


SNC-RZ50/OUTDOO
92671

SONY



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
Compression standard	JPEG, MPEG4, H.264	JPEG, MPEG4, H.264	JPEG, MPEG4	JPEG, MPEG4	JPEG, MPEG4, H.264
Image transm. rate max.	25fps	25fps	25fps	25fps	25fps
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Integration rate	yes	yes	no	no	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	no	no	BLC
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3,4-122,4 mm	3,4-122,4 mm	4,1-73,8 mm	4,1-73,8 mm	3,5-91 mm
Rotation range	360°	360°	340 °	340 °	340 °
Prot. rating / Colour (bubble)	n/a / -	n/a / -	n/a / -	IP66 / clear	IP66 / clear
Vandalism resistant	no	no	no	no	no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	24VAC, 12VDC	24VAC	24VAC

System: day&night

SNC-RZ50P
92669

SONY



Imager	1/4" CCD
Resolution (Pixels)	640 x 480
Compression standard	JPEG, MPEG4, H.264
Image transm. rate max.	25fps
Video outputs (type)	CVBS
Integration rate	yes
IR cut filter	switchable
Backlight compensation	BLC
Dig. noise reduction	no
Activity detection	yes
Focal length	3,5-91 mm
Rotation range	340 °
Prot. rating / Colour (bubble)	n/a / -
Vandalism resistant	no
Supply voltage	12VDC

IP DOME CAMERAS | PTZ

System: Colour

AXIS 212PTZ
91497



AXIS 212PTZ-V
91581



AXIS 231D+
91493



NTD-4101
93155



SD4N-W0-X
70984



Imager	1/2" CMOS	1/2" CMOS	1/4" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	640 x 480	640 x 480	768 x 576	720 x 576	704 x 576
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MPEG4	MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	30fps	25fps	30fps
Video outputs (type)	no	no	no	CVBS	no
Integration rate	yes	yes	yes	no	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	BLC	BLC	no
Dig. noise reduction	no	no	no	no	no
Activity detection	yes	yes	yes	yes	no
Focal length	2,7 mm	2,7 mm	4,1-73,8 mm	3,15-31,5 mm	4,2-42 mm
Rotation range	140 °	140 °	360 °	359 °	360 °
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	IP66 / clear	IP40 / tinted
Vandalism resistant	no	yes	no	yes	no
Supply voltage	5VDC, PoE	5VDC, PoE	24VAC	12VDC	24VAC, PoE

System: Colour

SD4N-W1-X
70985



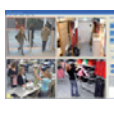














SNC-P5
92672



Imager	1/4" CCD	1/4" CCD
Resolution (Pixels)	704 x 576	640 x 480
Compression standard	MJPEG, MPEG4	JPEG, MPEG4
Image transm. rate max.	30fps	30fps
Video outputs (type)	no	CVBS
Integration rate	no	yes
IR cut filter	standard	standard
Backlight compensation	no	no
Dig. noise reduction	no	no
Activity detection	no	yes
Focal length	4,2-42 mm	3,4-10,2 mm
Rotation range	360 °	120 °
Prot. rating / Colour (bubble)	IP40 / clear	n/a / clear
Vandalism resistant	no	no
Supply voltage	24VAC, PoE	12VDC

Products in the tables above are sorted by: 1. Brand, 2. Type

AXIS 23XD OC 2M 97347 	CABLE AXIS 23XD 92271 	CABLE AXIS 23XD 91566 	AXIS CAMST04 DE 91598 	AXIS CAMST04 EU 91486 	AXIS CAMST10 DE 91445 	AXIS CAMST10 EU 91599 
Cables	Cables	Cables	Full Version	Full Version	Full Version	Full Version
Cable, Outdoors, Connecting PSU and Outdoor Housing, for Axis 231/232D	Outdoor I/O Cable 10m, for DBH24Kxx Dome Housing and PS24 Power Adapter	Outdoor I/O Cable 5m, for DBH24Kxx Dome Housing and PS24 Power Adapter	Camera Station Video Management Software 4 Channels (max. 50 Cameras), German	Camera Station Video Management Software 4 Channels (max. 50 Cameras), Europe	Camera Station Video Management Software 10 Channels (max. 50 Cameras), German	Camera Station Video Management Software 10 Channels (max. 50 Cameras), Europe
AXIS 216MFD-VKC 91609 	AXIS 216MFD-VKS 91645 	AXIS 216MFD/CMC 91608 	AXIS 216MFD/CMS 91644 	AXIS 23XDBUBBLE 91642 	AXIS C-BUBBLE 92396 	AXIS C/B-BUBBLE 97067 
Housings	Housings	Housings	Housings	Housings	Housings	Housings
Vandalism Resistant Housing for AXIS 216FD/216MFD with transparent Cover	Vandalism Resistant Housing for AXIS 216FD/216MFD with Smoked Cover	Flush Mount Dome Housing for Axis 216FD or 216MFD with transparent Cover	Flush Mount Dome Housing for Axis 216FD or 216MFD with Smoked Cover	Bubble for AXIS 23xD, tinted	Black Casing with Clear Bubble for Axis 216FD and 216MFD	Dome housing black, clear bubble, for AXIS 216FD, 216MFD and P3301
AXIS M30COVBL10 97323 	AXIS S-BUBBLE 92387 	AXIS T95A00 91649 	AXIS T95A10 92212 	AXIS 225FD-DCM 93020 	AXIS 225FD-PK 92265 	AXIS 225FD-PK1 92346 
Housings	Housings	Housings	Housings	Mounting	Mounting	Mounting
10x Black Cover with clear Bubble for AXIS M30 Series	Smoked Bubble for AXIS P3301 & 216FD	Dome Camera Housing for AXIS 213, 214, 215 PTZ Network Cameras, 100-240VAC	Dome Camera Housing for AXIS 213, 214, 215 PTZ Network Cameras, 24VAC, 12VDC	Drop Ceiling Mount for Axis 225FD	Axis 225FD Pendant Kit	AXIS 225FD Pendant Kit, Black, 1.5"NPT
AXIS CM 215PTZE 92354 	AXIS DBH03 91567 	AXIS P33 DCM CL 97379 	AXIS P33 DCM SM 97381 	AXIS P33 MOUNT 97382 	AXIS P33 PEND 97377 	AXIS P33VE PEND 97378 
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Corner Bracket for AXIS 215 PTZ-E	Ceiling Mount Bracket for DBH24K0F022	Drop Ceiling Mount with clear Bubble, for P3343/P3344, Indoors	Drop Ceiling Mount with smoked Bubble, for P3343/P3344, Indoors	Mounting Plate for P3343/-V, P3344/-V	Pendant Mount Kit, for Standard 1.5" NPT Brackets, for P3343/-V, P3344/-V	Pendant Mount Kit, for Standard 1.5" NPT Brackets, for P3343-VE/ P3344-VE

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

IP DOME CAMERAS

Accessories

AXIS PB 215PTZE 92355  Mounting Pole Bracket for AXIS 215 PTZ-E	AXIS PM-23XD 91666  Mounting Outdoor Pole Mount for AXIS 23xD for use with AXIS PS24 Wall mount	AXIS Q6032-E PK 97376  Mounting Pendant Mount Kit, for Standard 1.5" NPT Brackets, for Q6032-E	AXIS T91A61 WB 97373  Mounting Wall Bracket for Network Camera Axis Q6032, white	AXIS T91A64 CB 97375  Mounting Corner Mount Adapter for Network Camera Axis Q6032-E	AXIS T91A67 PB 97374  Mounting Pole Mount Bracket for Network Camera Axis Q6032-E, white	AXIS T95A61 WB 92197  Mounting Wall Bracket for Axis T95A00 and T95A10 dome housing
AXIS T95A62 92518  Mounting Ceiling Mount Bracket for AXIS T95A00 and T95A10 dome housing, Length: 48.5cm	AXIS T95A64 CB 92214  Mounting Corner Bracket AXIS T95A61 Bracket Wall required	AXIS T95A67 PB 92195  Mounting Pole Bracket: Pole Diameter 80-150mm AXIS T95A61 Bracket Wall required	AXIS WFWCA 92522  Mounting Column Mount with Ball Joint, white, for Axis HOV Outdoor Housing	DBH04 91568  Mounting Wall Mount Bracket for DBH24Kxx Dome Housing	DBH05 91569  Mounting Parapet Mount for DBH-24Kxx Dome Housing	DBH24KOF022 91558  Mounting Pendant Mnt. Indoor/Outdoor Dome Housing Smoked Bubble 9.1"
DBH24KOF028 91557  Mounting Pendant Mnt. Indoor/Outdoor Dome Housing Clear Bubble 9.1"	DCWGH 91572  Mounting Corner Mount Bracket for DBH24Kxx Dome Housing	DPTCH 91571  Mounting Pole Mount Bracket for DBH24Kxx Dome Housing	ODBH24H144/213 91559  Mounting Mounting Adapter for Axis 213 in DBH24Kx Dome Housing, 230VAC, 44watts	ODBH24H144/215 91562  Mounting Mounting Adapter for Axis 215 in DBH24Kx Dome Housing, 230VAC, 44watts	ODBH24H151 91561  Mounting Mounting Adapter for Axis 214 in DBH24Kx Dome Housing, 230VAC, 44watts	ODBH24H249/231D 91563  Mounting Mounting Adapter for Axis 231D/232D in DBH24Kxx Dome Housing, 24VAC
ODBH24H249/233D 91564  Mounting Mounting Adapter for Axis 233D in DBH24Kxx Dome Housing, 24VAC	MOUNTING TOOL 92383  Plugs / Sockets / Tools Mounting Tool for Pole Mounts	AXIS PS-P 92292  Power Supplies 12VDC Power Supply for AXIS 215 PTZ	AXIS PS24 91565  Power Supplies 24VAC Outdoor Power Supply IP66	AXIS 23XD+BUBBL 92306  Product Addition Bubble for AXIS 23XD+, Glass, tinted	AXIS MPEG4DEC50 91641  Product Addition MPEG-4 Decoder 50-user licence pack	AXIS OPLEX24F 92262  Product Addition Bubble for DBH-24KOF022, DBH-24KOF028 tinted






















Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

AXIS OPLEX24T 92345 	AXIS CAMST 20UG 92224 	AXIS CAMST01 UG 91488 	AXIS CAMST05 UG 91487 	VIDOS LITE 16 71686 	VIDOS LITE 32 71687 	VIDOS LITE 64 71688 
Product Addition Bubble for DBH-24KOF022, DBH-24KOF028, clear	Software Extensions 20-Channel Upgrade Camera Station Base Pack 4/10 (Multilingual), License Code	Software Extensions 1-channel Upgrade Camera Station, Base Pack (Multilingual), License Code	Software Extensions 5-channel upgrade Camera Station Base Pack 4/10 (Multilingual), License Code	Full Version VIDOS Lite Viewer, 16 Cameras, License for 1 PC	Full Version VIDOS Lite Viewer, 32 Cameras, License for 1 PC	Full Version VIDOS Lite Viewer, 64 Cameras, License for 1 PC
VIDOS LITE 8 71685 	VIDOS-NVR16 71650 	VIDOS-NVR32 71651 	VIDOS-NVR64 71652 	VIDOS/16 71646 	VIDOS/32 71647 	VIDOS/64 71648 
Full Version VIDOS Lite Viewer, 8 Cameras, License for 1 PC	Full Version Recording and Alarm Management Software License for Recording of 16 Cameras	Full Version Recording and Alarm Management Software License for Recording of 32 Cameras	Full Version Recording and Alarm Management Software License for Recording of 64 Cameras	Full Version Recording and Alarm Management Software 16 Cameras/Monitors, License for 1 PC	Full Version Recording and Alarm Management Software 32 Cameras/Monitors, License for 1 PC	Full Version Recording and Alarm Management Software 64 Cameras/Monitors, License for 1 PC
VIDOS/UNLIMITED 71649 	VIDOS-PRO DEMO 71715 	DDZ30XX-SM/WH 97496 	DDZ30XX-WM/DH 97497 	DDZ30XX-WM/EH 97499 	DDZ30XX-WM/PH 97498 	DDZ30XX-WM/WH 97495 
Full Version Recording and Alarm Management Software Unlimited Cam/Monitors, License for 1 PC	Software Modules Recording and Alarm Management Software Unlimited Cam/Monitors, version for 1 PC	Mounting Wall mount bracket for surface mount variant of PTZ domes DDZ30XX-SM/HS	Mounting Ceiling mount bracket for Domera weather-proof versions, white	Mounting Corner bracket, for wall mount bracket for Domera weather-proof versions, white	Mounting Pole bracket, for wall mount bracket for Domera weather-proof versions, white	Mounting Wall mount bracket for PTZ dome cameras in weatherproof housing (DDZ30XX-WM/HS)
DPU-240W 97507 	DPU-480W 97508 	NETZTEIL 12V DC 97506 	NETZTEIL 24V AC 97505 	DDF3000XX-KG/AP 97489 	DDF3000XX-KG/EB 97490 	DDF3000XX-KK/EB 97488 
Power Supplies Power Supply Unit 24/28VAC for the supply of up to 20 cameras	Power Supplies Power Supply Unit 24/28VAC for the supply of up to 20 cameras	Power Supplies Universal power supply unit 110-240VAC / 12VDC, removable adapter EU/UK/US/AUS	Power Supplies Universal power supply unit 240VAC/24VAC removable adapter EU/UK/US/AUS	Product Addition Tinted Bubble for DDF3000, Surface Mount	Product Addition Tinted Bubble for DDF3000, In-Ceiling Mount	Product Addition Clear Bubble for DDF3000, In-Ceiling Mount

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

DDZ30XX-IM/KG/S 97500  	DDZ30XX-IM/KG/W 97509  	NTD-OPX/IPX-CC1 74144  	GL-MANAGER 91538  	EDC-IDFHC 74139  	EDC-IPC-2/24V 74135  	EDC-IPS-2/24V 74134  
Product Addition Tinted bubble for PTZ dome cameras flush mount variant DDZ30XX-IM/HS, black	Product Addition Tinted bubble for PTZ dome cameras flush mount variant DDZ30XX-IM/HS, white	Cables Connection cable for NTD-6101/xx Network Domes in In/Outdoor Housing	Full Version Remote Administration Interface Software for eneo NW Series GL	Housings Flush Mount Dome Closed Housing, Black Trimming, Clear Bubble 6.8"	Housings Pendant Mount Indoor Dome Housing with Clear Bubble 6.5", 24VAC	Housings Pendant Mount Indoor Dome Housing with Tinted Bubble 6.5", 24VAC
EDC-OPC-2/24V 74130  	EDC-OPS-2/24V 74136  	EDC-AKS1/MP 74138  	EDC-CMA2 74054  	EDC-CMA3 73155  	EDC-CMT1 74128  	EDC-PM7 74055  
Housings Pendant Mount Outdoor Dome Housing, Sun Shield, Clear Bubble 6.5", 24VAC	Housings Pendant Mount Outdoor Dome Housing with Sunshield, Tinted Bubble 6.5", 24VAC	Mounting Adapter Plate for Fixation of EDC-AKS1 to EDC-PM7 or EDC-CMA2	Mounting Corner Mount Adapter for EDC-IPx1/OPx1 Housings and Wall Bracket EDC/WMB1	Mounting Corner Mount Adapter for Fastrax Wall Bracket EDC-WMB1, Steel Metal	Mounting Ceiling Mount Tube with Flange Plate for EDC(H) Dome Cameras with Mounting Kit	Mounting Pole Mount Adapter for EDC-IPx1/OPx1 Housings and Wall Bracket EDC/WMB1
EDC-RTB2 74140  	EDC-RTB3 74164  	EDC-WMB1 74127  	GLD/WMB-1 92517  	NTDF-AKS1 74145  	NT-MANAGER 93156  	MA-9619 91076  
Mounting Pole & Roof Mount Bracket for Fastrax 2 outdoor Housings & EDCH	Mounting Pole & Roof Mount Bracket for Fastrax 1 & 2 and outdoor Housings & EDCH	Mounting Wall Mount for EDC(H) Dome Cameras with Mounting Kit	Mounting Wall Mount for GLD-1501/IR	Mounting Power & Connection Box with Mounting Bracket for In/Outdoor, 230V-12VDC/24VAC	Product Addition Remote Administration Interface Software for eneo NW Series NT	Power Supplies Power Supply Unit 230V/12VDC for VN-C215 Series
SNM-128P 120037  	SNM-64P 120038  	SNR-16A 120041  	SNR-32A 120042  	SNR-9A 120045  	IMZ-NS101M 92673  	IMZ-NS104M 92674  
Full Version Video Management Software, Full Version, up to 128 Channels, PTZ, Audio, Sensor	Full Version Video Management Software, Full Version, up to 64 Channels, PTZ, Audio, Sensor	Full Version 32 Channel Network Recorder Software 480fps, D1, 16 Audio/Video Streams	Full Version 32 Channel Network Recorder Software 480fps, D1, 32 Audio/Video Streams	Full Version 9 Channel Network Recorder Software 270fps, D1, 9 Audio/Video Streams	Full Version RealShot Manager Advance/Control Softw. Licence for one Networked Video Source	Full Version RealShot Manager Advance/Control Softw. Licence for 4 Networked Video Sources

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

IMZ-NS109M 92675 SONY 	IMZ-NS116M 92676 SONY 	IMZ-NS132M 92677 SONY 	SNCA-HP5 93023 SONY 	SNCA-HRX550EXT 92636 SONY 	SNCA-HRX550EXTR 92678 SONY 	SNCA-HRX550EXTW 92679 SONY 
Full Version RealShot Manager Advance/Control Softw. Licence for 9 Net- worked Video Sources	Full Version RealShot Manager Advance/Control Softw. Licence for 16 Net- worked Video Sources	Full Version RealShot Manager Advance/Control Softw. Licence for 32 Net- worked Video Sources	Housings Outdoor Camera Housing for SNC-P5, for wall and ceiling mount	Housings Outdoor Dome Camera Housing for SNC- RX550P, SNC-RZ25P, 24VAC, IP66	Housings Outdoor Dome Cam. Housing for SNC- RX550P, SNC-RZ25P, 24VAC, IP66, clear, heavy-duty	Housings Outdoor Dome Camera Housing, wireless, for SNC-RX550P, SNC- RZ25P, 24VAC, IP66
SNCA-HRX550INT 92681 SONY 	SNCA-HRX550PRE 92682 SONY 	SNCA-HRZ50EXT 92683 SONY 	SNCA-HRZ50EXTR 92684 SONY 	SNCA-HRZ50EXTW 92685 SONY 	SNCA-HRZ50INT 92686 SONY 	SNCA-PM3 92388 SONY 
Housings Indoor Dome Camera Housing for SNC- RX550P, SNC-RZ25P, 24VAC, IP66	Housings Outdoor Dome Cam. Housing for SNC- RX550P, SNC-RZ25P, pressurized, 24VAC, IP66	Housings Outdoor Dome Camera Housing for SNC-RZ50P, SNC-RZ30P, 24VAC, IP66, clear	Housings Outdoor Dome Cam. Housing for SNC-RZ50P, SNC-RZ30P, 24VAC, IP66,clear, heavy-duty	Housings Outdoor Dome Camera Housing, wireless, for SNC-RZ50P, SNC-RZ30P, 24VAC, IP66	Housings Indoor Dome Camera Housing for SNC-RZ50P, SNC-RZ30P, 24VAC, IP66	Mounting Pole Mount Adapter for SNC-RZ25P and SNC-RZ30P
SNCA-WM20FC 92637 SONY 	SNCA-WM20G 92638 SONY 	SNCA-WM40 97308 SONY 	SNCA-WMMD1 97305 SONY 	SNCA-WMMD2 97306 SONY 	SNCA-WMMD3 97307 SONY 	SNCA-PS24-4 92692 SONY 
Mounting Wall Mount for Dome Camera Housings, with fixed Coupling attached	Mounting Wall Mount for Dome Camera Housings, with fixed Coupling attached	Mounting Wall Bracket for Outdoor Dome Housing SNCA-HRX550, SNCA- HRZ50	Mounting Wall Mount Kit, Indoors/Outdoors for Fix Domes SNC-DF70/ SSC-CD73, IP66	Mounting Wall Mount Kit, Indoors/Outdoors for Fix Domes SNC-DF80/ SSC-CD75/77, IP66	Mounting Wall Mount Kit, Indoors/Outdoors for Fix Domes SNC-DM160/ SNC-DS60, IP66	Power Supplies External PSU, Output: 24VAC, for Housings & Camera Combination only

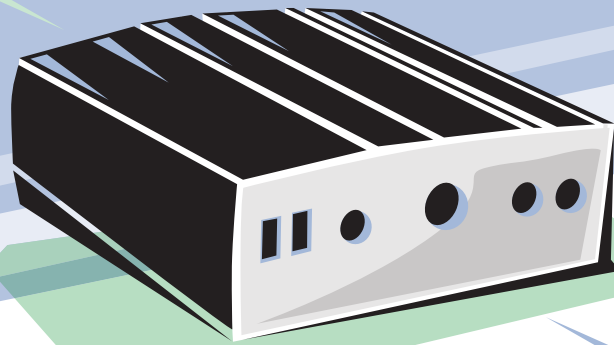
SNCA-PS24-4E
92641






SONY






Power Supplies

External PSU, Output:
24VAC, IP66, use
w.Housings & Camera
Combination only

[illegible]



	AXIS 241S 91433	AXIS 243SA 91499	AXIS 247S 91539	AXIS 282 BARE 92226	AXIS M7001 93022
					
Video inputs (amount)	1	1	1	1	1
Alarm inputs	yes	yes	yes	yes	no
Audio support	no	yes	yes	no	no
Activity detection	yes	yes	yes	yes	yes
Resolution max.	768 x 576	704 x 576	704 x 576	768 x 576	720 x 576
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, MPEG4	H.264, MJPEG
Image transm. rate max.	25fps	30fps	30fps	30fps	25fps
Internal storage	yes	no	no	no	no
PTZ Support	yes	yes	no	yes	yes
Serial interfaces	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	no	RS-232, RS-485	RS-422, RS-485
Supply voltage	12VDC	12VDC	12VDC, PoE	12VDC	PoE
19" Rack mountable	no	no	no	no	no

	AXIS M7001 CSK 93025	AXIS Q7401 91655	AXIS 240Q 91485	AXIS 241Q 91434	AXIS 241QA 91465
					
Video inputs (amount)	1	1	4	4	4
Alarm inputs	no	yes	yes	yes	yes
Audio support	no	yes	no	no	yes
Activity detection	yes	yes	yes	yes	yes
Resolution max.	720 x 576	720 x 576	768 x 576	768 x 576	768 x 576
Compression standard	H.264, MJPEG	MJPEG, H.264	MJPEG	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	25fps	25fps	5fps	25fps	25fps
Internal storage	no	optional	no	yes	yes
PTZ Support	yes	yes	yes	yes	yes
Serial interfaces	RS-422, RS-485	RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485
Supply voltage	PoE	12VDC, PoE	12VDC	12VDC	12VDC
19" Rack mountable	no	no	no	no	no

! Network Camera or Server?

Video servers are ideal in combination with analogue CCTV cameras when special requirements are placed on the camera that cannot yet be satisfied by network cameras. For instance, day/night cameras with special lenses or wide dynamic range cameras that are operated in extreme lighting conditions. Moreover, video servers can make video surveillance systems network capable without having to replace existing hardware.

AXIS Q7404
97317

AXIS 241S BLADE
91587

AXIS 240Q BLADE
91588

AXIS 241Q BLADE
91589

AXIS 243Q BLADE
91528


Video inputs (amount)	4	1	4	4	4
Alarm inputs	yes	yes	yes	yes	yes
Audio support	yes	no	no	no	no
Activity detection	yes	yes	yes	yes	yes
Resolution max.	720 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Compression standard	MJPEG, H.264	MJPEG, MPEG4	MJPEG	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	25fps	25fps	5fps	25fps	30fps
Internal storage	optional	no	no	no	no
PTZ Support	yes	yes	yes	yes	yes
Serial interfaces	RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-422, RS-485
Supply voltage	12VDC, PoE	19" Rack-Versorgung	19" Rack-Versorgung	19" Rack-Versorgung	19" Rack-Versorgung
19" Rack mountable	no	yes	yes	yes	yes

AXIS Q7406
92253






AXIS 12CH VSBUN
92196



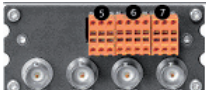


VJT-X10S
75007

VJT-X20S
75008

VJT-X40S
75009












Video inputs (amount)	6	12	1	2	4
Alarm inputs	yes	yes	yes	yes	yes
Audio support	no	no	yes	yes	yes
Activity detection	yes	yes	yes	yes	yes
Resolution max.	720 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Compression standard	MJPEG, H.264	MJPEG, MPEG4	JPEG, MJPEG, MPEG4	JPEG, MJPEG, MPEG4	JPEG, MJPEG, MPEG4
Image transm. rate max.	30fps	30fps	25fps	25fps	25fps
Internal storage	no	no	yes	yes	yes
PTZ Support	yes	yes	yes	yes	no
Serial interfaces	RS-485	RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485
Supply voltage	19" Rack-Versorgung	100-240VAC, 50/60Hz	12VDC	12VDC	12VDC
19" Rack mountable	yes	yes	no	no	no











	VJT-X10SN 71744	VJT-X20SN 71753	VJT-X40SN 71754	VIP-X1 71671	VIP-X1A 71669
					
Video inputs (amount)	1	2	4	1	1
Alarm inputs	yes	yes	yes	yes	yes
Audio support	yes	yes	yes	no	yes
Activity detection	yes	yes	yes	no	no
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Compression standard	MPEG4, MJPEG, JPEG	MPEG4, MJPEG, JPEG	MPEG4, MJPEG, JPEG	MPEG4	MPEG4
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Internal storage	yes	yes	yes	no	no
PTZ Support	no	no	no	yes	yes
Serial interfaces	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485
Supply voltage	10-30VDC	10-30VDC	10-30VDC	12VDC	12VDC
19" Rack mountable	optional	optional	optional	yes	yes









	VIP-X2 71675	VIP-X2A 71676	VIPX-1600M4S 71727	VIPX-1600M4SA 71729	VJ 8008AH1000 71742
					
Video inputs (amount)	2	2	4	4	8
Alarm inputs	yes	yes	yes	yes	yes
Audio support	no	yes	yes	yes	yes
Activity detection	no	no	no	no	n/a
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Compression standard	MPEG4	MPEG4	JPEG, MPEG4	JPEG, MPEG4	MPEG4
Image transm. rate max.	30fps	30fps	30fps	30fps	30fps
Internal storage	no	no	no	no	no
PTZ Support	yes	yes	yes	yes	n/a
Serial interfaces	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485
Supply voltage	12VDC	12VDC	12VDC	12VDC	90-250VAC
19" Rack mountable	yes	yes	yes	yes	yes

! Ethernet











Ethernet is the technology normally used for local networks (LAN) today. It is available in 10 Mbps, 100 Mbps and 1 Gbps network versions. An Ethernet LAN normally uses category 5/6 cables.

	VJ 8008H1000 71740	MICROSTREAMER 72824	DIS-2/M STPU 72861	DIS-2/M STPU-HL 72823	GLS-2101 91573
					
					
Video inputs (amount)	8	1	1	1	1
Alarm inputs	yes	no	yes	yes	yes
Audio support	no	yes	yes	yes	yes
Activity detection	n/a	yes	yes	yes	yes
Resolution max.	704 x 576	720 x 576	720 x 576	720 x 576	720 x 576
Compression standard	MPEG4, MPEG4	MJPEG, MPEG4, MPEG2	MPEG4, MPEG2, MJPEG	MJPEG, MPEG2, MPEG4	MJPEG, MPEG4
Image transm. rate max.	30fps	25fps	25fps	25fps	25fps
Internal storage	no	no	no	yes	no
PTZ Support	n/a	no	no	no	yes
Serial interfaces	RS-232, RS-422, RS-485	RS-485	RS-485	RS-485	RS-485
Supply voltage	90-250VAC	12VDC, 24VAC	12VDC	12VDC	12VDC
19" Rack mountable	yes	no	optional	optional	no
















	GLS-2202H 92527	NTS-2101 93101	GLS-2104 91555	NTS-2104 93102	CAMTEL SVR 4 72702
					
					
Video inputs (amount)	1	1	4	4	4
Alarm inputs	yes	yes	yes	yes	yes
Audio support	yes	yes	yes	yes	optional
Activity detection	yes	yes	yes	yes	yes
Resolution max.	720 x 576	720 x 576	704 x 272	720 x 576	720 x 288
Compression standard	MJPEG, H.264	MPEG4	MJPEG	MPEG4	MJPEG, JPEG
Image transm. rate max.	25fps	25fps	25fps	25fps	25fps
Internal storage	yes	no	no	no	yes
PTZ Support	yes	yes	yes	yes	yes
Serial interfaces	RS-485	RS-485	RS-485	RS-485	RS-232, RS-422, RS-485
Supply voltage	12VDC	5VDC	12VDC	5VDC	12VDC
19" Rack mountable	no	no	no	no	yes

	CAMTEL SVR 10 72703	SNS-100 120046	SNS-400 120047	SNT-V704 92393
				
				
Video inputs (amount)	10	1	4	4
Alarm inputs	yes	yes	yes	yes
Audio support	optional	yes	yes	yes
Activity detection	yes	yes	yes	no
Resolution max.	720 x 288	704 x 576	704 x 576	720 x 576
Compression standard	MJPEG, JPEG	MPEG4, JPEG	MPEG4, JPEG	JPEG, MPEG4
Image transm. rate max.	25fps	25fps	100fps	25fps
Internal storage	yes	no	no	yes
PTZ Support	yes	yes	yes	no
Serial interfaces	RS-232, RS-422, RS-485	RS-232C, RS-485, RS-422	RS-232C, RS-485, RS-422	RS-232, RS-485, RS-422
Supply voltage	12VDC	12VDC	12VDC	12VDC
19" Rack mountable	yes	no	no	

Products in the tables above are sorted by: 1. Brand, 2. 19" Rack mountable, 3. Video inputs (amount), 4. Type






















	AXIS 292 91437	VIP-X1600-XFMD 71751	VIP-XD 71672	VIP-XDA 71670	DIS-2/M DECP HD 72919
					
					
Video outputs (amount)	1	4	1	1	2
Audio support	yes	yes	no	yes	yes
Resolution max.	>500TVL	704 x 576	704 x 576	704 x 576	1920 x 1080
Decompression	JPEG, MJPEG, MPEG4	MPEG4, MPEG2	MJPEG, MPEG4	MJPEG, MPEG4	MPEG2, MPEG4, MJPEG
Serial interfaces	no	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	RS-232
Alarm output	no	yes	yes	yes	no
Maximum decoding rate	30fields/sec.	30fields/sec.	30fields/sec.	30fields/sec.	50fields/sec.
Remote support	yes	yes	yes	yes	yes
Supply voltage	7-20VDC	12VDC	12VDC	12VDC	12VDC
19" Rack mountable	yes	yes	yes	yes	optional

Products in the tables above are sorted by: 1. Brand, 2. 19" Rack mountable, 3. Type

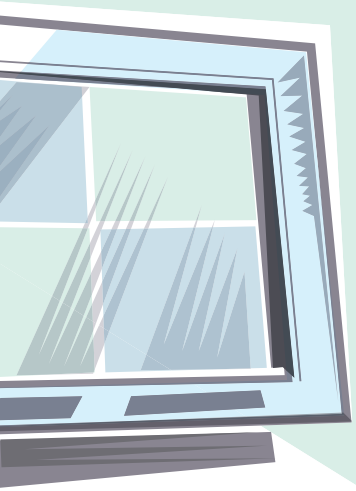
AXIS 291 1U 91529  19" Rack Mounting Video Server Rack, 3 Slots for Blade Video Servers, 100-240VAC	AXIS Q7900 92252  19" Rack Mounting Video Server Rack, 19" / 4U, aluminium, 14 hot swap slots	AXIS VSR 91577  19" Rack Mounting Video Server Rack, 19" / 3U, aluminium, 12 hot swap slots	AXIS CAMST04 DE 91598  Full Version Camera Station Video Management Software 4 Channels (max. 50 Cameras), German	AXIS CAMST04 EU 91486  Full Version Camera Station Video Management Software 4 Channels (max. 50 Cameras), Europe	AXIS CAMST10 DE 91445  Full Version Camera Station Video Management Software 10 Channels (max. 50 Cameras), German	AXIS CAMST10 EU 91599  Full Version Camera Station Video Management Software 10 Channels (max. 50 Cameras), Europe
AXIS MPEG4DEC50 91641  Product Addition MPEG-4 Decoder 50-user licence pack	AXIS CAMST 20UG 92224  Software Extensions 20-Channel Upgrade Camera Station Base Pack 4/10 (Multilingual), License Code	AXIS CAMST01 UG 91488  Software Extensions 1-channel Upgrade Camera Station, Base Pack (Multilingual), License Code	AXIS CAMST05 UG 91487  Software Extensions 5-channel upgrade Camera Station Base Pack 4/10 (Multilingual), License Code	VIP 10/19" 71611  19" Rack Mounting 19" Rack Mount Kit 1HU for up to 5x VIP 10/VIP 1000 Systems	VIPX-1600BASE 71728  19" Rack Mounting Modular High-Performance Video Encoder for up to 16 Channels, 12VDC	VIDOS LITE 16 71686  Full Version VIDOS Lite Viewer, 16 Cameras, License for 1 PC
VIDOS LITE 32 71687  Full Version VIDOS Lite Viewer, 32 Cameras, License for 1 PC	VIDOS LITE 64 71688  Full Version VIDOS Lite Viewer, 64 Cameras, License for 1 PC	VIDOS LITE 8 71685  Full Version VIDOS Lite Viewer, 8 Cameras, License for 1 PC	VIDOS-NVR16 71650  Full Version Recording and Alarm Management Software License for Recording of 16 Cameras	VIDOS-NVR32 71651  Full Version Recording and Alarm Management Software License for Recording of 32 Cameras	VIDOS-NVR64 71652  Full Version Recording and Alarm Management Software License for Recording of 64 Cameras	VIDOS/16 71646  Full Version Recording and Alarm Management Software 16 Cameras/Monitors, License for 1 PC
VIDOS/32 71647  Full Version Recording and Alarm Management Software 32 Cameras/Monitors, License for 1 PC	VIDOS/64 71648  Full Version Recording and Alarm Management Software 64 Cameras/Monitors, License for 1 PC	VIDOS/UNLIMITED 71649  Full Version Recording and Alarm Management Software Unlimited Cam/Monitors, License for 1 PC	VIPX-1600PS 71730  Power Supplies Power Supply Unit 230VAC/12VDC for VIPX-1600BASE	VJT-XACC-PS 71755  Power Supplies Power Supply Unit for VideoJet X-Series	VJT-XACC-PSN 71745  Power Supplies VJX10/20/40 wide-range power supply	VIP-X1-FS1 71716  Product Addition VIP X1 IVMD 1.0 VCA Licence, valid for 1 Channel

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

IP SERVER/DECODER | Accessories

VIP-X2-FS1 71717	VIPX-1600-XFB 71749	VIDOS-PRO DEMO 71715	DIS-2/M BGT 390 72859	DIS-2/M MNT 1HE 72917	DIS-2/M MNT 2HE 72918	DUALSTREAMING 72644
 	 	 	 	 	 	 
Product Addition VIP X2 IVMD 1.0 VCA Licence, valid for 2 Channels	Product Addition Modular High-Per- formance Video Encoder Decoder/ with 4 Channels, 12VDC	Software Modules Recording and Alarm Management Software Unlimited Cam/Moni- tors, version for 1 PC	19" Rack Mounting DIS-2/M StreamerPro UTP Module Rack 19", for up to 10 identical DIS-2/M Modules	19" Rack Mounting 19" bracket (1HU), for up to 4 units (1HU) of the DIS-2/M Series	19" Rack Mounting 19" bracket (2HU), for up to 4 units (2HU) of the DIS-2/M Series	Product Addition Different Bit and Frame Rates for Recording and Transmission
GL-MANAGER 91538	NT-MANAGER 93156	CAMCONTROL WM 72872	CAMCONTR LITE 72722	CAMCONTR PRO 72723	CAMCONTROL MV 72818	PSTN CARD/SVR 74204
 	 	 	 	 	 	 
Full Version Remote Administration Interface Software for eneo NW Series GL	Product Addition Remote Administration Interface Software for eneo NW Series NT	Full Version Live video and archive access for Windows Mo- bile based Smartphones & PDAs	Product Addition Recording and Alarm Management Software 1-channel/Stand-alone Solution	Product Addition Recording and Alarm Management Software 9-channel/Stand-alone Solution	Product Addition Video Wall Software, up to 64 IP-Streams 4 Mo- nitors, freely definable layout	Product Addition Modemmodul (PSTN/ ISDN) for SVR Series
SNM-128P 120037	SNM-64P 120038	SNR-16A 120041	SNR-32A 120042	SNR-9A 120045	IMZ-NS101M 92673	IMZ-NS104M 92674
 	 	 	 	 	 	 
Full Version Video Management Software, Full Version, up to 128 Channels, PTZ, Audio, Sensor	Full Version Video Management Software, Full Version, up to 64 Channels, PTZ, Audio, Sensor	Full Version 32 Channel Network Recorder Software 480fps, D1, 16 Audio/ Video Streams	Full Version 32 Channel Network Recorder Software 480fps, D1, 32 Audio/ Video Streams	Full Version 9 Channel Network Recorder Software 270fps, D1, 9 Audio/ Video Streams	Full Version RealShot Manager Advance/Control Softw. Licence for one Net- worked Video Source	Full Version RealShot Manager Advance/Control Softw. Licence for 4 Net- worked Video Sources
IMZ-NS109M 92675	IMZ-NS116M 92676	IMZ-NS132M 92677				
 	 	 				
Full Version RealShot Manager Advance/Control Softw. Licence for 9 Net- worked Video Sources	Full Version RealShot Manager Advance/Control Softw. Licence for 16 Net- worked Video Sources	Full Version RealShot Manager Advance/Control Softw. Licence for 32 Net- worked Video Sources				

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type



IP VIDEO MANAGEMENT

Aimetis Symphony™ with business intelligence

Netavis Observer 3 with analysis toolkits (iCAT)



Aimetis Symphony™

Aimetis Symphony™ is an award-winning video management and analytics software platform for analog and network cameras. With an open,

standards-based architecture as its foundation, combined with analytics, Aimetis Symphony™ provides the product roadmap to help migrate analog "record only" installations to intelligent network video for security and business intelligence. Aimetis Symphony™ software offers many real world benefits that solve



true business problems: remote accessibility, powerful report generation, COTS (commercial off-the-shelf notebooks, PCs and servers) hardware support, scalability and flexibility, and cost-effective installation and maintenance.

With three camera license options available (Standard, Professional and Enterprise), Aimetis Symphony™ allows security and information technology (IT) business managers flexibility through its commercial versatility. Customers can mix and match camera licenses based on their functionality needs, integrate both analog (CCTV) and network cameras, establish alarm rules, and customize the user interface - all on the same PC. Aimetis Symphony™ software also supports all major network camera manufacturers resulting in a cost-effective and efficient deployment in hybrid environments. Such flexibility makes Aimetis Symphony™ software an easy choice for anyone considering migrating from CCTV to intelligent network video deployments. Featuring a highly customizable graphical user interface, Aimetis Symphony™ software can search and display specific incidents of video immediately, significantly reducing the searching time. In seconds, video data is compiled and presented that enables security professional to make real-life decisions based on real-time information.

Aimetis Symphony™ software comes with a comprehensive menu of business information reports for people counting (count and graph), dwell time, occupancy, activity level / congestion, traffic flow patterns, and high alarm / risk areas. Organizations can leverage both their existing analog and network systems to provide real-time business intelligence information to architects, developers, traffic analysts, marketers and managers who analyze and plan business requirements.

Standard License – Recording

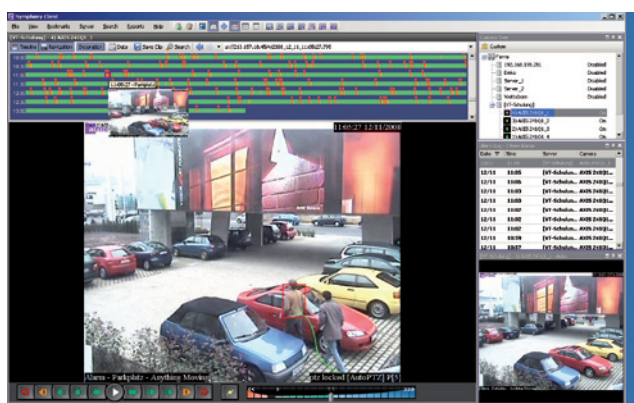
The Aimetis Symphony™ Standard License contains core video recording features from network and analog cameras such as remote live view, video playback, multisite capability, integrated PTZ control and an integrated sitemap for easy navigation. The Standard License is an entry platform for IP-Surveillance and ideal for users looking for basic video recording functionality but want a migration path to video analytics for future use.

Professional License – Management

The Professional License contains all the core video recording features of the Standard License plus robust event management integration from devices such as camera alarms, I/O devices, access control and other sensors integrated with our intelligent Time Line feature. This enables the quick and efficient retrieval of specific events without having to manually review all video recordings. All compiled video events can also be forwarded in real-time to other users in multiple locations anywhere in the world.

Enterprise License – Intelligent Management

The Enterprise License is designed for applications requiring real-time intelligence on camera feeds with enhanced event-based search capabilities. With Aimetis Symphony™ Enterprise License running on a camera, objects in the scene under surveillance are tracked and classified, providing real-time video information as it happens through its alarming function. The Enterprise license also features automatic control of PTZ cameras as well as many intelligent features such as 'Smart Search' and business intelligence reports that are critical for more sophisticated implementations.





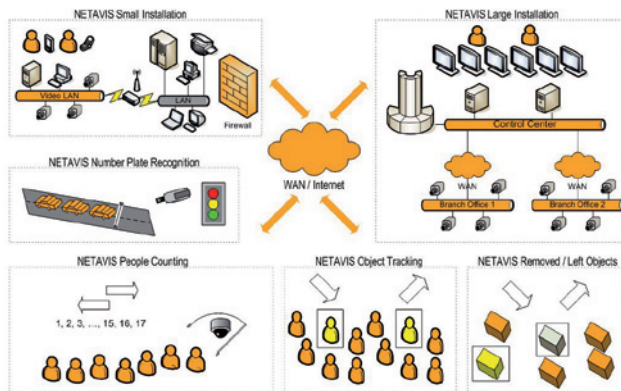
Netavis Observer 3

NETAVIS Observer 3 is an open, secure and robust software platform for IP-based audio and video surveillance offering live viewing, recording, video analysis and alarm management. It is totally scalable, runs on standard hardware and allows easy integration with many different security systems and business applications.

NETAVIS Observer 3 augments the already existing features of Observer II by the toolbox iCAT. This is a module for Video Analytics, developed by NETAVIS. Additionally it serves as generic interface available for external applications.

With NETAVIS Observer 3, the video format H.264 and substantial improvements in support of mega pixel cameras will be offered in addition.

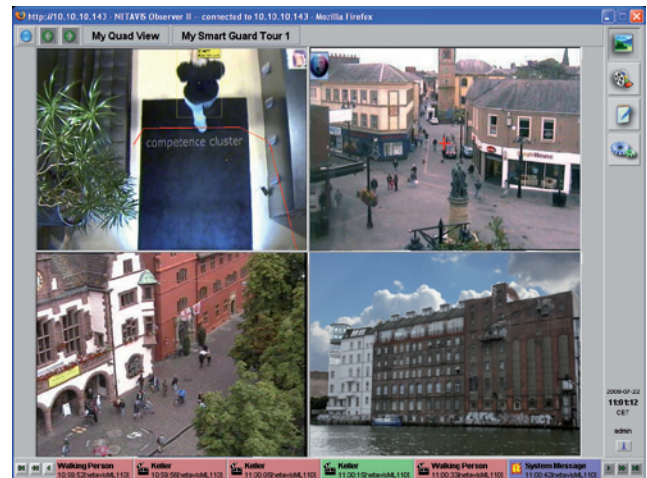
The video content analysis toolkit (iCAT) offers a set of powerful algorithms for object detection, tracing and counting. It is easy to setup with only a few parameters. The following image analysis functions are offered:



iCAT Object Detection and People Counting

Detection of percental changes based on a detection of changed pixels between video frames. You can specify various settings like "pixel change threshold in percent" or "the duration between events" to improve the detection results. Depending on the settings iCAT currently detects moving objects at least 8x8 pixels or bigger in size. The detections of new objects can be adjusted via sensibility setting and the associated events will occur after just a few video frames.

People Counting is the detection of target-oriented motions for video based customer current analysis or passer-by frequency counting. After defining your tracking region you can establish an arbitrary number of event triggers inside. For people Counting Smart Tripwire™ is used as the event trigger, because this technology is appropriate for directional counting.



So if you want to count objects in two directions you just need to create two appropriate tripwires.

iCAT Time Constraint

Residence time of an object inside is longer than defined. You can select that you want to trigger an event when an object stops in a defined field. You can also define when an event is triggered by either selecting object center point, any point of object, or whole object. In the field Min. time for stopping, staying inside (sec) you can enter a minimum time required for an object that either stops or stays inside a field before an event is triggered. In addition you can also define further constraints for the event trigger. You can limit the counting only to certain object sizes, certain aspect ratios, and a certain speed.

iCAT works with any camera that can deliver an MJPEG or MPEG4 stream (this covers also analog cameras that are connected via a video server or directly connected to a video grabber card in the Observer II server). It is easy to configure and setup and it works in difficult situations also with extreme camera perspectives and it offers flexible scheduling of iCAT definitions depending on date and time. Thus you can have different setups for weekdays and weekend as well as day and night.

IP VIDEO MANAGEMENT

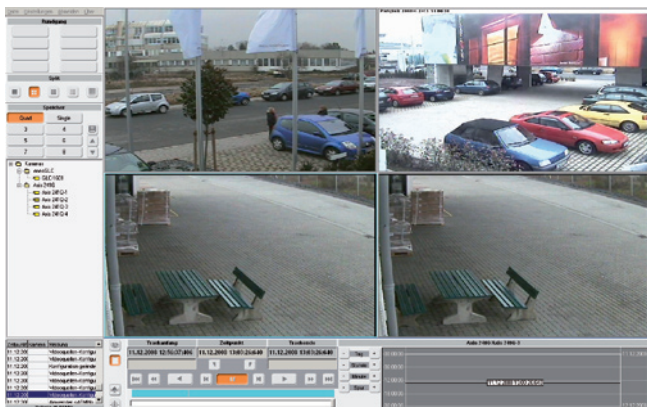
eneo Zelaris_IP: Seamless integration into external systems



eneo Zelaris_IP

Zelaris_IP is not conceived as an isolated solution for video management, but rather a seamless solution that can be integrated into external

systems on account of the multitude of open interfaces including the OPC Client and OPC Server. In addition, eMail notifications, FTP transport, an integrated WEB server and a wide range of optional interfaces for the security and construction services are available. Depending on the video source, MJPEG, MPEG-4 and H.264 video formats are supported with resolutions of up to 16 MPixels, and interfaces currently exist for more than 250 different video sources from over 50 manufacturers. A unique quality of Zelaris_IP is that DVRs (Digital Video Recorders) from a range of well-known manufacturers, together with analogue video systems such as matrix switchers can be directly integrated into the video



management. Zelaris_IP can be expanded to incorporate additional functionality to enable the remote control of video walls. Recording can be carried out on a continuous basis or be event-driven by means of contacts, interfaces with external systems, manual operation or by timetables and movement detection. Analysis can be performed on up to 25 video sources simultaneously and be synchronised with analysis of DVR archive data. This allows for time searches and searching for events and motion. As an export format, both individual images and AVI streams are possible.

A graphical user interface together with a script language provides a user-friendly way of executing even complex video systems, and import interfaces to AutoCAD, DWG and DXF provide support for the creation of graphics. The program interface is ergonomically designed and only displays those controls that are available to the user. 25 freely scalable video windows are available on the workstation for displaying images, which can be distributed over any number of screens as either split screen displays or presets.

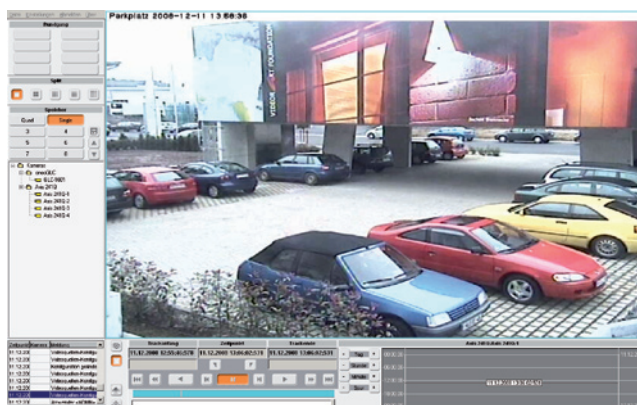
For all Zelaris_IP licence holders, regular updates are available free of charge, providing extended functionality and interfaces to new video systems.

Zelaris_IP V04

Zelaris_IP V04 is the gateway to the world of digital video management and the ideal solution for small-scale surveillance operations with up to 64 video sources on a single workstation. Configuration and video data are compatible with the Client/Server systems, and following an upgrade, can continue to be used seamlessly. Recording is limited to MJPEG format.

Zelaris_IP S04

With an integrated server licence, Zelaris_IP S04 forms the basis of large-scale and efficient video surveillance systems. Depending on the hardware being used, it is possible to record up to 64 video channels, totalling up to 1600 images/seconds on one server. MJPEG, MPEG-4 and H.264 video recording formats are available, depending on the video source. A load balancing and backup function are integrated into the system for use in the construction of highly accessible server systems. The software is



BGV certified with an I/O interface for use with POS terminals. A particular feature of the Zelaris_IP V04 is the ability to remove mirrored video data from alternate frames during operation when using a special RAID-1 hard drive system, and to then directly analyse this on a separate workstation by means of USB drives.

Zelaris_IP VC

The Zelaris_IP VC Videoclient serves as a workstation for remote access to the Videoserver and allows for remote operation of the video walls.

Zelaris_IP HL-B

The Zelaris HL version serves as a workstation for large-scale surveillance systems, providing for up to 16,000 video sources and meets the requirements of central control centres operating in the security and financial sectors, as well as in the police service.

**SYMPHONY ENT
76239**

**SYMPHONY PRO
76238**

**SYMPHONY STD
76237**


Licence			
Description	Symphony Server Enterprise Intelligent Management Software	Symphony Server Professional Professional Video Management Software	Symphony Server Standard Recording Software
Operation system	Windows XP, Windows 2003, Windows 2008, Windows Vista	Windows XP, Windows 2003, Windows 2008, Windows Vista	Windows XP, Windows 2003, Windows 2008, Windows Vista
Licensing type	per camera	per camera	per camera
Support of mobile units	Blackberry, PDA	Blackberry, PDA	Blackberry, PDA
Alarm management	Camera control, Siren, alarm in and output, FTP, eMail, Blackberry	Camera control, Siren, alarm in and output, FTP, eMail, Blackberry	Camera control, Siren, alarm in and output, FTP, eMail, Blackberry
Alarm management	yes	yes	yes
Site maps	yes	yes	yes
Multi monitor operation	yes	yes	yes
PTZ Support	yes	yes	yes
Recording settings	choosable per channel	choosable per channel	choosable per channel
Recording functions	permanent, motion detector, time triggered, contact	permanent, motion detector, time triggered, contact	permanent, motion detector, time triggered, contact
Supported network suppliers	ACTi, Advantec, Arecont, Ateme, Axis, Bosch, CatMax, D-Link, eneo, Flir, Hikvision, ipix, Chugai/Ganz, IQinVision, Lumenera, Mobotix, Panasonic, Pelco, Sony, Sunwell, Toshiba, Vivotek, UDP, Basler, Dallmeier	ACTi, Advantec, Arecont, Ateme, Axis, Bosch, CatMax, D-Link, eneo, Flir, Hikvision, ipix, Chugai/Ganz, IQinVision, Lumenera, Mobotix, Panasonic, Pelco, Sony, Sunwell, Toshiba, Vivotek, UDP, Basler, Dallmeier	ACTi, Advantec, Arecont, Ateme, Axis, Bosch, CatMax, D-Link, eneo, Flir, Hikvision, ipix, Chugai/Ganz, IQinVision, Lumenera, Mobotix, Panasonic, Pelco, Sony, Sunwell, Toshiba, Vivotek, UDP, Basler, Dallmeier
Supported video sources	analogue camera, network camera, digital video recorder	analogue camera, network camera, digital video recorder	analogue camera, network camera, digital video recorder
Managable video sources max.	unlimited	unlimited	unlimited
Analysis mode	live, archive, Reports	Motion Search	Motion Search
Analysis Functions	Obstruction detection, Direction detection, People counter, People loitering, Object classification, Object tracking, Left luggage recognition, Card skimming, Activity detection, Motion tracking, Virtual fence	Activity detection, Obstruction detection	Activity detection, Obstruction detection
Comments	Product upgrades will be found in chapter Accessories	Product upgrades will be found in chapter Accessories	Product upgrades will be found in chapter Accessories

IP VIDEO MANAGEMENT | Software

ZELARIS_IP VC 76003



ZELARIS_IP HL-B 76047



ZELARIS_IP V04 76051



Licence			
Description	Client Version for Zelarip_IP Server for one Workstation	Control Room Client Software, Basic Version, Up to max. 1024 Channels	Video Management Software for Standalone Systems, Basic Version, 4 Cameras
Operation system	Windows 2000, Windows 2003, Windows XP, Windows Vista	Windows 2000, Windows 2003, Windows XP, Windows Vista	Windows 2000, Windows 2003, Windows XP, Windows Vista
Licensing type	per client	per client	per channel
Support of mobile units	no	no	no
Alarm management	eMail, OPC-Server, OPC-Client, scripting language, FTP	OPC-Server, OPC-Client, FTP	eMail, OPC-Server, OPC-Client, scripting language, FTP
Alarm management	yes	yes	yes
Site maps	yes	yes	no
Multi monitor operation	yes	yes	yes
PTZ Support	yes	yes	yes
Recording settings	choosable per channel	choosable per channel	choosable per channel
Recording functions	time triggered, permanent, motion detector, contact, OPC	time triggered, permanent, motion detector, contact, OPC	time triggered, permanent, motion detector, contact, OPC
Supported network suppliers	Arecont, Avermedia, Aviosys, Axis, Basler, Bosch, Canon, CBC, Convision, Dallmeier, Dedicated Micros, D-Link, Eltis, Emitall, eneo, Flexwatch, Geutebrück, Grandtec, Hawking, Hunt, Inform, Intellinet, IQEye, JVC, Kingwave, Levelone, Levo, Levono, Lindy, Lumenera, Mobi, Mobotix, NKF Siquira, Orite, Panasonic, Pelco, Pixford, Security Center, Sensormatic, Siemens, Sony, Stardot, Sweex, Toshiba, TRenDnet, Trust, VC, VCenter, Vidisys, Vivotek, VLC, Xannet, Y-Cam	Arecont, Avermedia, Aviosys, Axis, Basler, Bosch, Canon, CBC, Convision, Dallmeier, Dedicated Micros, D-Link, Eltis, Emitall, eneo, Flexwatch, Geutebrück, Grandtec, Hawking, Hunt, Inform, Intellinet, IQEye, JVC, Kingwave, Levelone, Levo, Levono, Lindy, Lumenera, Mobi, Mobotix, NKF Siquira, Orite, Panasonic, Pelco, Pixford, Security Center, Sensormatic, Siemens, Sony, Stardot, Sweex, Toshiba, TRenDnet, Trust, VC, VCenter, Vidisys, Vivotek, VLC, Xannet, Y-Cam	Arecont, Avermedia, Aviosys, Axis, Basler, Bosch, Canon, CBC, Convision, Dallmeier, Dedicated Micros, D-Link, Eltis, Emitall, eneo, Flexwatch, Geutebrück, Grandtec, Hawking, Hunt, Inform, Intellinet, IQEye, JVC, Kingwave, Levelone, Levo, Levono, Lindy, Lumenera, Mobi, Mobotix, NKF Siquira, Orite, Panasonic, Pelco, Pixford, Security Center, Sensormatic, Siemens, Sony, Stardot, Sweex, Toshiba, TRenDnet, Trust, VC, VCenter, Vidisys, Vivotek, VLC, Xannet, Y-Cam
Supported video sources	network camera, digital video recorder, network encoder, analogue camera	network camera, digital video recorder, network encoder, analogue camera	network camera, digital video recorder, network encoder, analogue camera
Managable video sources max.	64	16384	64
Analysis mode	live, archive	live, archive	live, archive
Analysis Functions	Activity detection, Obstruction detection	Activity detection, Obstruction detection	Activity detection, Obstruction detection
Comments	Only in Combination with Zelarip_IP S04/S04E, product upgrades will be found in chapter Accessories	Extension with Zelarip_IP HL-E possible (see Accessories), product upgrades will be found in chapter Accessories. The number of administrable channels depends on system performance and type of connected remote systems.	Extension with Zelarip_IP V04E possible (see Accessories), product upgrades will be found in chapter Accessories

ZELARIS_IP S04
76053


Licence	
Description	Server/Client Video Management Software Basic Version, 4 Camera Server license
Operation system	Windows 2000, Windows 2003, Windows XP, Windows Vista
Licensing type	per channel
Support of mobile units	no
Alarm management	eMail, OPC-Server, OPC-Client, scripting language, FTP
Alarm management	yes
Site maps	yes
Multi monitor operation	yes
PTZ Support	yes
Recording settings	choosable per channel
Recording functions	time triggered, permanent, motion detector, contact, OPC
Supported network sup- pliers	Arecont, Avermedia, Aviosys, Axis, Basler, Bosch, Canon, CBC, Convision, Dallmeier, Dedicated Micros, D-Link, Eltis, Emitall, eneo, Flexwatch, Geutebrück, Grandtec, Hawking, Hunt, Inform, Intellinet, IQEye, JVC, Kingwave, Levelone, Levo, Levono, Lindy, Lumenera, Mobi, Mobotix, NKF Siquira, Orite, Panasonic, Pelco, Pixford, Security Center, Sensormatic, Siemens, Sony, Stardot, Sweex, Toshiba, TRenDnet, Trust, VC, VCenter, Vidsys, Vivotek, VLC, Xannet, Y-Cam
Supported video sources	network camera, digital video recorder, net- work encoder, analogue camera
Managable video sources max.	64
Analysis mode	live, archive
Analysis Functions	Activity detection, Obstruction detection
Comments	Only in Combination with Zelaris Video Client, Extension with Zelaris_IP S04E possible (see Accessories), product upgrades will be found in chapter Accessories

OBSERVER 3 DEMO 97099



OBSERVER 3 EXU 76383



OBSERVER 3 EPU 76385






Licence			
Description	Video management software, Observer 3 demo version, all modules possible	VM Software, Observer 3 eXtended, User License, 65 Cameras max.	VM Software, Observer 3 Enterprise, User License, Unlimited Extentable
Operation system	Linux Red Hat	Linux Red Hat	Linux Red Hat
Licensing type	Per camera and user	concurrent user	
Support of mobile units	PDA	PDA	PDA
Alarm management	Siren, alarm in and output, eMail, TCP/IP, programmable EMS	Siren, alarm in and output, eMail, TCP/IP, programmable EMS	Siren, alarm in and output, eMail, TCP/IP, programmable EMS
Alarm management	yes	yes	yes
Site maps	optional	optional	optional
Multi monitor operation	yes	yes	yes
PTZ Support	yes	yes	yes
Recording settings	choosable per channel	choosable per channel	choosable per channel
Recording functions	time triggered, permanent, event triggered, motion detector, contact	time triggered, permanent, event triggered, motion detector, contact	time triggered, permanent, event triggered, motion detector, contact
Supported network suppliers	Axis, IQEye, Lumenera, JVC, NDS, ACTi, Basler, Arecont, eneo, Kapsch, Mobotix, Panasonic, Sony, TRenDnet	Axis, IQEye, Lumenera, JVC, NDS, ACTi, Basler, Arecont, eneo, Kapsch, Mobotix, Panasonic, Sony, TRenDnet	Axis, IQEye, Lumenera, JVC, NDS, ACTi, Basler, Arecont, eneo, Kapsch, Mobotix, Panasonic, Sony, TRenDnet
Supported video sources	network camera, network encoder	network camera, network encoder	network camera, network encoder
Managable video sources max.	20	65	unlimited
Analysis mode	live, archive, Reports, Export	live, archive, Reports, Export	live, archive, Reports, Export
Analysis Functions	Activity detection, Number plate recognition (optional), Left luggage recognition (optional), Object tracking (optional), People loitering (optional), People counter (optional), Direction detection (optional), Obstruction detection (optional)	Activity detection, Obstruction detection, Number plate recognition (optional), Left luggage recognition (optional), Object tracking (optional), People loitering (optional), People counter (optional), Direction detection (optional)	Activity detection, Number plate recognition (optional), Left luggage recognition (optional), Object tracking (optional), People loitering (optional), People counter (optional), Direction detection (optional), Obstruction detection (optional)
Comments		Product upgrades will be found in chapter Accessories	Product upgrades will be found in chapter Accessories
























































! Aimetis Dome Tracking Software

Absolute dome tracking using the Aimetis software is only possible when data can be simultaneously sent and received over the RS-485 interface. This requires a 4-wire link between the dome and the RS-232/RS-485 interface converter, as is possible with Fastrax Domes for instance. On the other hand, only relative dome tracking is possible with the Fastrax Plug & Play Domes that only have one 2-wire RS-485 interface. Videor will happily advise you on the choice of the right dome for your Aimetis tracking application.

! Server

Other applications are fundamentally not to be installed on a PC used as server for a video management program, as proper functionality can no then longer be ensured. Please be sure that all Microsoft updates are installed (i.e. Service Packs and Net Framework).

	<div>OBSERVER 3 BAC 76379</div> 	<div>OBSERVER 3 EXC 76382</div> 	<div>OBSERVER 3 EPC 76384</div> 
Licence			
Description	Video Management SW, Observer 3 Basic, Camera License, 25 Cameras max.	VM Software, Observer 3 eXtended, Camera License, 65 Cameras max.	VM Software, Observer 3 Enterprise, Camera License, Unlimited Extentable
Operation system	Linux Red Hat	Linux Red Hat	Linux Red Hat
Licensing type	per channel	per channel	per channel
Support of mobile units	no	PDA	PDA
Alarm management	Siren, alarm in and output, eMail, TCP/IP, programmable EMS	Siren, alarm in and output, eMail, TCP/IP, programmable EMS	Siren, alarm in and output, eMail, TCP/IP, programmable EMS
Alarm management	yes	yes	yes
Site maps	no	optional	optional
Multi monitor operation	yes	yes	yes
PTZ Support	yes	yes	yes
Recording settings	choosable per channel	choosable per channel	choosable per channel
Recording functions	time triggered, permanent, event triggered, motion detector, contact	time triggered, permanent, event triggered, motion detector, contact	time triggered, permanent, event triggered, motion detector, contact
Supported network suppliers	Axis, IQEye, Lumenera, JVC, NDS, ACTi, Basler, Arecont, eneo, Kapsch, Mobotix, Panasonic, Sony, TRenDnet	Axis, IQEye, Lumenera, JVC, NDS, ACTi, Basler, Arecont, eneo, Kapsch, Mobotix, Panasonic, Sony, TRenDnet	Axis, IQEye, Lumenera, JVC, NDS, ACTi, Basler, Arecont, eneo, Kapsch, Mobotix, Panasonic, Sony, TRenDnet
Supported video sources	network camera, network encoder	network camera, network encoder	network camera, network encoder
Managable video sources max.	25	65	unlimited
Analysis mode	live, archive, Reports, Export	live, archive, Reports, Export	live, archive, Reports, Export
Analysis Functions	Activity detection	Activity detection, Obstruction detection, Number plate recognition (optional), Left luggage recognition (optional), Object tracking (optional), People loitering (optional), People counter (optional), Direction detection (optional)	Activity detection, Number plate recognition (optional), Left luggage recognition (optional), Object tracking (optional), People loitering (optional), People counter (optional), Direction detection (optional), Obstruction detection (optional)
Comments	Product upgrades will be found in chapter Accessories	Product upgrades will be found in chapter Accessories	Product upgrades will be found in chapter Accessories

SYMPHONY OPC 97019  	SYMPH ENT UG V5 76246  	SYMPH PRO UG V5 76245  	SYMPH STD UG V5 76244  	SYMPH UG ENT 1 76242  	SYMPH UG ENT 2 76243  	SYMPH UG PRO 76241  
Software Modules Symphony OPC Server OPC interface	Software Upgrade Symphony Server Enterprise Upgrade from Aira 2005 to Symphony 2008	Software Upgrade Symphony Server Professional Upgrade from Aira 2005 to Symphony 2008	Software Upgrade Symphony Server Standard Upgrade from Aira 2005 to Symphony 2008	Software Upgrade Symphony Server Enterprise Upgrade 1 from Symphony Standard to Enterprise	Software Upgrade Symphony Server Enterprise Upgrade 2 from Symphony Professional to Enterprise	Software Upgrade Symphony Server Professional Upgrade from Symphony Standard to Professional
ZELARIS_AC C 76012  	ZELARIS_AC S 76011  	ZELARIS_IP HL-E 76058  	ZELARIS_IP S04E 76056  	ZELARIS_IP V04E 76055  	BFÜ 76049  	ZELARIS_AC PDA 76024  
Full Version Client Software for Zelaris_AC S	Full Version Surveillance Software for Network Cameras from eneo, Axis	Software Extensions Extension for Control Room Client for further up to 1024 Channels max.	Software Extensions Software Extension for Zelaris_IP S04 for further 4 Cameras, max. 64 Cameras	Software Extensions Software Extension for Zelaris_IP V04 for further 4 Cameras, max. 64 Cameras	Software Modules Long Term Viewer & Recording Software	Software Modules PDA Client Option for Zelaris_AC S
ZELARIS_AC SMO 76023  	ZELARIS_AC VIEW 76027  	ZELARIS_IP O-AL 76036  	ZELARIS_IP O-PX 76032  	MOBILECLIENT 76388  	ICAT-ANALYTICS 97093  	LNT 76389  
Software Modules Site Map Option for Zelaris_AC S	Software Modules Alarm Playback Option for Zelaris_AC	Software Modules OPC Server for Zelaris_IP Control of Central Stations	Software Modules OPC Server PxContact for one Alarm Module FL IL24BK-B-PAC	Software Extensions Netavis Client License für PDA, Mobil Telephone for Observer 3	Software Modules Video Analysis Extension for Observer 3 eXtended and Enterprise	Software Modules Netavis Layout Navigation Tool for Observer 3 eXtended/Enterprise
NPR/CAR READER 76391  	SNAP 76387  	OBSERVER U-B/E 97145  	OBSERVER U-B/X 97143  	OBSERVER U-R-B 97146  	OBSERVER U-R-E 97148  	OBSERVER U-R-X 97147  
Software Modules License Plate Recognition Module for Observer 3 Enterprise/eXtended Software	Software Modules Simple Netavis Access Protocol, Third Party System Integration, Observer 3 EP	Software Upgrade Upgrade for Netavis Observer from Basic to Enterprise (per User and Camera)	Software Upgrade Upgrade for Netavis Observer from Basic to Extended (per User and Camera)	Software Upgrade Upgrade between different Basic Releases (per User and Camera)	Software Upgrade Upgrade between different Enterprise Releases (per User and Camera)	Software Upgrade Upgrade between different Extended Releases (per User and Camera)

Products in the tables above are sorted by: 1. Brand, 2. Kategorie, 3. Type

OBSERVER U-X/E
97144

netavis








Software Upgrade

Upgrade for Netavis
Observer Extended to
Enterprise (per User
and Camera)











Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

NVRs | IP VIDEO MANAGEMENT











	<div> <div>AXIS 262+ 91524</div>  </div>	<div> <div>DMS-240IPS24500 72827</div>  </div>	<div> <div>DMS240IPS/16 72853</div>  </div>	<div> <div>DMS240IPS/24 72854</div>  </div>	<div> <div>DMS240IPS/8 72852</div>  </div>
Description	Digital IP Recorder, 8 Channels, 250Gb, 12VDC/230VAC	Digital Video Recorder (24 IP Channels) 1x500GB HDD, IP Server	Digital IP Video Recorder (16 Channels) without Hard Disks	Digital IP Video Recorder (24 Channels) without Hard Disks	Digital IP Video Recorder (8 Channels) without Hard Disks
Image quality control	Up to and exceeding 1280x1024 (depending on resolution of the camera)	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF
Compression standard	M-JPEG	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG or MPEG4
Recording speed	Up to 240 ips at QVGA or CIF	600 ips	400 ips	600 ips	200 ips
Recording	Schedule, Manual, Alarm/Circular, via HTTP	Permanent, Motion, contact controlled, Timer	Permanent, Motion, contact controlled, Timer	Permanent, Motion, contact controlled, Timer	Permanent, Motion, contact controlled, Timer
Hard disk drive	integral 250 GByte HDD	integral 500 GByte HDD	-	-	-
Remote configuration	via Web browser and via viewer	via Web Browser and Remote Software	via Web Browser and Remote Software	via Web Browser and Remote Software	via Web Browser and Remote Software
Video Sources max.	8	24	16	24	8
Video inputs	-	-	-	-	-
Monitor outputs	-	VGA, DVI-I (optional)	VGA, DVI-I (optional)	VGA, DVI-I (optional)	VGA, DVI-I (optional)
Network	10/100 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45
Network protocols	HTTP, TCP, SMTP, DHCP, ARP, DNS, NTP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP
Alarm inputs / output	4 / 4	5	5	5	5

Products in the tables above are sorted by: 1. Brand, 2. Type

IP VIDEO MANAGEMENT | NVRs







	DMS240IPS/8-500 72855  	DMS240IPS242000 72858  	VNS1/1X120GB 97119  	VNS16/0GB 97117  	VNS4/0GB 97118  
Description	Digital IP Video Recorder (8 Channels) 500GB Hard Disks	Digital IP Video Recorder (24 Channels) 1x2000GB Hard Disks	1 Channel Video Network System VNS 1 1x 120 GB HDD, H.264, MPEG-2/-4, MJPEG	16 channel video network system VNS 16 without HDD, MPEG-4, MJPEG	4 channel video network system VNS 4 without HDD, MPEG-4, MJPEG
Image quality control	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	D1, 4CIF, Half D1, 2CIF, CIF, QCIF
Compression standard	M-JPEG or MPEG4	M-JPEG or MPEG4	MPEG2/MPEG4, M-JPEG	M-JPEG or MPEG4	M-JPEG or MPEG4
Recording speed	200 ips	600 ips	Up to 25 Images/sec. per channel	200 ips	50 ips
Recording	Permanent, Motion, contact controlled, Timer	Permanent, Motion, contact controlled, Timer	Permanent, contact controlled	Permanent, Motion, contact controlled, Timer	Permanent, Motion, contact controlled, Timer
Hard disk drive	integral 500 GByte HDD	integral 2000 GByte HDD	Internal 120 Gbyte HDD	-	-
Remote configuration	via Web Browser and Remote Software	via Web Browser and Remote Software	via Web browser	via Web Browser and Remote Software	via Web Browser and Remote Software
Video Sources max.	8	24	1	16	4
Video inputs	-	-	-	-	-
Monitor outputs	VGA, DVI-I (optional)	VGA, DVI-I (optional)	-	VGA, 2x CVBS, BNC (optional)	VGA, 2x CVBS, BNC (optional)
Network	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45
Network protocols	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP, RTP, RTCP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP
Alarm inputs / output	5	5	4 / 4	22 / 5	10 / 5




Products in the tables above are sorted by: 1. Brand, 2. Type

	VNS8/0GB 97116  	VR-N1600E 91143  	VR-N900U 91135  	OBSERVER 3 REC 76378  	SNR-3200 120109  
Description	8 channel video network system VNS 8 without HDD, MPEG-4, MJPEG	16-Channel Network Video Recordereorder for IP Cameras, 500 GB HDD	9-chann. Digital Network Video Rekorder, 250GB HDD, Ethernet, 100-240VAC	Digital IP Recorder, 4 Channels, 250GB, 12VDC/230VAC	Digital Network Video Recorder (32 Channels), MPEG-4, JPEG, 704x576, USB
Image quality control	D1, 4CIF, Half D1, 2CIF, CIF, QCIF	1600x1200; 1280x1024; 1280x720; 1024x768	1024 x 768; 1280 x 1024	Up to and exceeding 1280x1024 (depending on resolution of the camera)	704x576, 704x288, 352x288
Compression standard	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG	M-JPEG or MPEG4
Recording speed	100 ips	240 ips	180 ips	100 ips	480 Images/Sec. at 704x576, 800 Images/Sec. at 704x288, 800 Images/Sec. at 352x288
Recording	Permanent, Motion, contact controlled, Timer	Permanent, contact controlled, timer controlled	Permanent, contact controlled, timer controlled	Schedule, Manual, Alarm/Circular	Schedule, Manual, Alarm/Circular
Hard disk drive	-	integral 500 GByte HDD	integral 250 GByte HDD	integral 250 GByte HDD	-
Remote configuration	via Web Browser and Remote Software	via Web browser	via Web browser	via Web browser and NETA-VIS Client	via Web browser
Video Sources max.	8	16	9	4	32
Video inputs	-	-	4x 1Vpp, 75ohms, BNC	-	-
Monitor outputs	VGA, 2x CVBS, BNC (optional)	VGA	VGA	VGA, DVI	-
Network	10/100/1000 Base-Tx, RJ45	1x 10BaseT / 100BaseT Ethernet, RJ45 / 1x 1000BaseT / 100BaseT / 10BaseT Ethernet, RJ45	1x 10BaseT/100BaseTX Ethernet, RJ45 / 1x 1000BaseT Ethernet, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45
Network protocols	IPv4, TCP, HTTP, IGMP, DCP, ARP, NTP, UDP	HTTP, SMTP (client), TCP, DHCP (client / IP lease), ARP, DNS (client), NTP	HTTP, SMTP, TCP/IP, DHCP, ARP, DNS, NTP	HTTP, TCP, SMTP, NTP	TCP/IP, DHCP, DNS, DDNS, HTTP, ARP, ICMP & NTP, RTP/RTCP, RTSP, RTP/UDP, IGMP
Alarm inputs / output	14 / 5	1	4 / 1	-	2 / 2








Products in the tables above are sorted by: 1. Brand, 2. Type








IP VIDEO MANAGEMENT | NVRs








	SNR-6400 120108  	NSR-100 92365 SONY 	NSR-1050H 74209 SONY 	NSR-1100 74210 SONY 	NSR-1200 74211 SONY 
Description	Digital Network Video Recorder (64 Channels), MPEG-4, JPEG, 704x576, USB	64-chann. Digital Network Video Rekorder 1000GB HDD, Ethernet, 100-240VAC	Digital Video Recorder (Hybrid), 20IP/16 Anal. Ch., 4 Audio, 500GB HDD	Digital Video Recorder (Hybrid), 32 IP/ 16 Anal. Ch. (Option), 1000GB Hard Disk	Digital Video Recorder (Hybrid), 64 IP/ 16 Anal. Ch. (Option), 2000GB Hard Disk
Image quality control	704x576, 704x288, 352x288	n/a	n/a	n/a	n/a
Compression standard	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG or MPEG4
Recording speed	1152 Images/Sec. at 704x576, 1600 Images/Sec. at 704x288, 1600 Images/Sec. at 352x288	480 ips	120 ips	240 ips	480 ips
Recording	Schedule, Manual, Alarm/Circular	Schedule, Manual, Alarm/Circular, via HTTP	Schedule, Manual, Alarm/Circular, via HTTP	Schedule, Manual, Alarm/Circular, via HTTP	Schedule, Manual, Alarm/Circular, via HTTP
Hard disk drive	-	integral 1000 GByte HDD	integral 500 GByte HDD	integral 1000 GByte HDD	integral 2000 GByte HDD
Remote configuration	via Web browser	Via DVR on each Windows-PC over LAN	Via DVR on each Windows-PC over LAN	Via DVR on each Windows-PC over LAN	Via DVR on each Windows-PC over LAN
Video Sources max.	64	20	20	32	64
Video inputs	-	-	-	-	-
Monitor outputs	-	1x CVBS/S-VHS or 2x VGA	2x HDMI or VGA	2x HDMI or VGA	2x HDMI or VGA
Network	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45
Network protocols	TCP/IP, DHCP, DNS, DDNS, HTTP, ARP, ICMP & NTP, RTP/RTCP, RTSP, RTP/UDP, IGMP	n/a	n/a	n/a	n/a
Alarm inputs / output	2 / 2	8	8	8	8








	NSR-25 92363 SONY 	NSR-25/500 92391 SONY 	NSR-50 92364 SONY 
Description	20-chann. Digital Network Video Rekorder 250GB HDD, Ethernet, 100-240VAC	Digital Network Video Recorder, 20 channels, 500GB HDD, Ethernet, 100-240VAC	32-chann. Digital Network Video Rekorder 500GB HDD, Ethernet, 100-240VAC
Image quality control	n/a	n/a	n/a
Compression standard	M-JPEG or MPEG4	M-JPEG or MPEG4	M-JPEG or MPEG4
Recording speed	120 ips	120 ips	240 ips
Recording	Schedule, Manual, Alarm/Circular, via HTTP	Schedule, Manual, Alarm/Circular, via HTTP	Schedule, Manual, Alarm/Circular, via HTTP
Hard disk drive	integral 250 GByte HDD	integral 500 GByte HDD	integral 500 GByte HDD
Remote configuration	Via DVR on each Windows-PC over LAN	Via DVR on each Windows-PC over LAN	Via DVR on each Windows-PC over LAN
Video Sources max.	20	20	20
Video inputs	-	-	-
Monitor outputs	2x VGA	2x VGA	1x CVBS/S-VHS or 2x VGA
Network	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45
Network protocols	n/a	n/a	n/a
Alarm inputs / output	8	8	8

Products in the tables above are sorted by: 1. Brand, 2. Type

AXIS 295 91492	AUTOBACKUP-1 72494	PGUARD ADV/1 72404	PGUARD ADV/2 72476	PGUARD ADV/4 72497	PGUARD LIGHT 72489	PREMOTE ADVANCE 72645
						
Input Devices	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition
Video Surveillance Joystick for PTZ and Dome Network Cameras, USB Port	Automatic Backup, from PView 5.3.x, 1x License	PGuard SW, 1x Licence (usable with PView II/1 only)	PGuard SW, 2x Licence (usable with PViewII/2 only)	PGuard SW, 4x licence (usable with PViewII/4 only)	Recorder download via release code	Real-time Split Transmission of all Channels (10kbit - 2Mbit)








PREMOTE FS 72514	PREMOTE PDA 72642	PVIEW DEMO-USB 72467	PVIEW II/4 USB 72565	PVIEW LIGHT 72488	PVIEW-II/1 USB 72563	PVIEW-II/1 PARA 72403
						
Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition
Transmission Release for H.261/H.263 Standard and MPEG-4 over LAN/WAN	PRemote PDA (PRemote Advance Required)	CD and Demo Dongle (USB)	PVIEW II PC Software (4x Licence)	Recorder download via release code	PView Software (1 Licence)	PView Software (1 Licence)

PVIEW-II/10 USB 72767	PVIEW-II/2 PAR 72442	PVIEW-II/2 USB 72564	S-PRO V.2 76022	X3100 97391	BARIX BARIONET 76329	STEP-PS-100-240 76034
						
Product Addition	Product Addition	Product Addition	Input Devices	Input Devices	Product Addition	Power Supplies
PView Software (10 Licence)	PVIEW II PC Software (2x Licence)	PVIEW II PC Software (2x Licence)	Multi-button Jog & Shuttle Multimedia Controller		Universal Network-enabled Automation Interface, 12VDC/24VAC	Inline Power Supply Unit 24VDC/1.5A

FL IL24BK-B-PAC 76028	IB IL24DI16-PAC 76029	IB IL24DO16-PAC 76031	SNM-128P 120037	SNM-64P 120038	SNR-16A 120041	SNR-32A 120042
						
Product Addition	Product Addition	Product Addition	Full Version	Full Version	Full Version	Full Version
Ethernet Bus Coupler Basic for Inline Bar Mounting, 24VDC	Inline Digital Input Terminal, 16 Entr., 24VDC	Inline Digital Output Terminal, 16 Outp. 24VDC	Video Management Software, Full Version, up to 128 Channels, PTZ, Audio, Sensor	Video Management Software, Full Version, up to 64 Channels, PTZ, Audio, Sensor	32 Channel Network Recorder Software 480fps, D1, 16 Audio/Video Streams	32 Channel Network Recorder Software 480fps, D1, 32 Audio/Video Streams

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

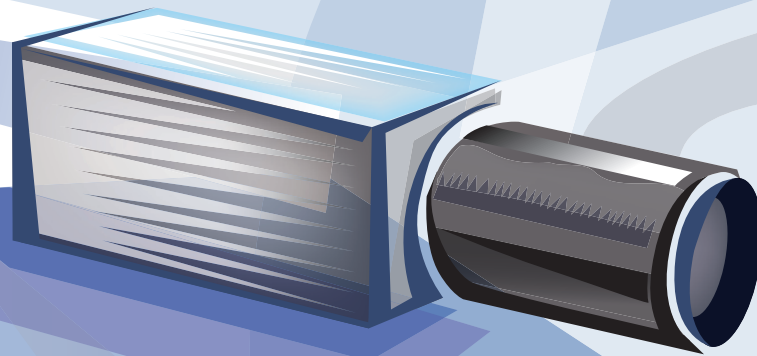
IP VIDEO MANAGEMENT | Accessories

SNR-9A 120045	NSRE-S200 74213	IMZ-NS101M 92673	IMZ-NS104M 92674	IMZ-NS109M 92675	IMZ-NS116M 92676	IMZ-NS132M 92677
						
Full Version		Full Version	Full Version	Full Version	Full Version	Full Version
9 Channel Network Recorder Software 270fps, D1, 9 Audio/Video Streams	External Storage Unit, 2000 GB, for NSR-1000 Series	RealShot Manager Advance/Control Softw. Licence for one Networked Video Source	RealShot Manager Advance/Control Softw. Licence for 4 Networked Video Sources	RealShot Manager Advance/Control Softw. Licence for 9 Networked Video Sources	RealShot Manager Advance/Control Softw. Licence for 16 Networked Video Sources	RealShot Manager Advance/Control Softw. Licence for 32 Networked Video Sources






NSBK-A16 74212

Product Addition
16 Channel Analogue Input Board, for NSR-1000 Series






Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type



System: day&night

	DF3000A-DN 92101	DF3000AS-DN 92375	DF3000AS-DN_CH 97248	DF3000AS-DN_HDM 97249	DF3000AS-DN_MSW 97282
					
Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	no	no	no	no	no
Lens mount	C/CS	C/CS	C/CS	C/CS	C/CS
Supply voltage	12VDC, 24VAC	12VDC	12VDC	12VDC	12VDC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

System: day&night

	DF3000AS-DN_WDM 97279	DF3000AS-DN_WHM 97281	DF3000AXS-DN 92324	VKC-1330/IR 91968	VKC-1330IR12-24 91967
					
Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	480TVL	480TVL
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	lowpass	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	no	no	no	RS-232, RS-485	RS-232, RS-485
Lens mount	C/CS	C/CS	C/CS	CS	CS
Supply voltage	12VDC	12VDC	12VDC	230VAC	12VDC, 24VAC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

! Camera categorisation

Boxed cameras are categorised as follows in the catalogue:

1. Day/Night cameras have an integral removable or low pass infrared cut filter.
 2. Colour cameras have solely a CVBS video output.
- These models are useable for 24-hour video surveillance with some limitations. eneo cameras in this category have a filter with special characteristics that supports colour operation as well as high contrast BW pictures with infrared illumination.
3. Black/white cameras are models with a video output capable of delivering a VBS signal.

System: day&night

VKC-1340A
92088

VKC-1340A/12-24
92087

VKC-1341A
92079

VKC-1341A/12-24
92078

VKC-1354
92104


Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
Integration rate	no	no	yes	yes	yes
IR cut filter	switchable	switchable	lowpass	lowpass	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	RS-485	RS-485	no	no	no
Lens mount	CS	CS	CS	CS	CS
Supply voltage	230VAC	12VDC, 24VAC	230VAC	12VDC, 24VAC	230VAC
Comments	Lens is not included / UTP signal output	Lens is not included / UTP signal output	Lens is not included	Lens is not included	Lens is not included

System: day&night

VKC-1354/12-24
92103

VKC-1357
92163

VKC-1362
92258

VKC-1362/12-24
92304

VKC-1362/12V
92257


Imager	1/3" CCD	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
Integration rate	yes	yes	no	no	no
IR cut filter	switchable	switchable	lowpass	lowpass	lowpass
Backlight compensation	BLC	BLC, WDR	BLC	BLC	BLC
Dig. noise reduction	yes	yes	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	no	no	no	no	no
Lens mount	CS	CS	CS	CS	CS
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	230VAC	12VDC, 24VAC	12VDC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

! Resolution

The deciding factor for resolution or reproduction of detail is not the CCD's size, but the number of active pixels. These are normally determined by the number of horizontal and vertical pixel's, i.e. 752 x 582 pixels. Horizontal resolution is the number of vertical TV lines that the camera can visibly reproduce across the whole image width.

! Low voltage cameras

An external power pack, such as a transformer, or an installed power pack must normally be provided for low voltage cameras in weather resistant housings.

System: day&night

VKC-1363
92261

eneo



VKC-1363/12-24
92259

eneo



VKC-1370
92537

eneo



VKC-1370/12-24
92538

eneo



CG-641PA1V
92507

FUJITSU



Imager	1/3" CCD	1/3" CCD	1/3"	1/3"	1/2" CCD
Horizontal resolution	580TVL	580TVL	540TVL	540TVL	520TVL
Integration rate	yes	yes	no	no	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC	BLC	BLC, eclipser
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	RS-485	RS-485	no	no	RS-485
Lens mount	CS	CS	CS	CS	CS
Supply voltage	100-240VAC, 50/60Hz	12VDC, 24VAC	230VAC	12VDC, 24VAC	12VDC, 24VAC
Comments	Lens is not included / UTP signal output	Lens is not included / UTP signal output	Lens is not included	Lens is not included	Lens is not included

System: day&night

CG-801PA1V
92509

FUJITSU



CG-811PA1V
92513

FUJITSU



CG-812PA1V
92514

FUJITSU



TK-C1430E
91099

JVC



TK-C1431EG
91100

JVC



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	480TVL	480TVL
Integration rate	yes	no	no	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, eclipser	BLC, eclipser	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	RS-485	no	no	RS-422, RS-485	RS-422, RS-485
Lens mount	CS	CS	CS	C/CS	C/CS
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	230VAC	12VDC, 24VAC	230VAC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

! Dynamic range

Day/Night lenses with a highest possible f-number, e.g. f-360, are recommended for full utilisation of the camera's dynamic range with the DF3000A.

System: day&night

TK-C1460BE
91089

JVC


TK-C920BE
91097

JVC


TK-C921BEG
91098

JVC


TK-C925E
91136

JVC


TK-C926EG
91137

JVC



Imager	1/2" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	480TVL	540TVL	540TVL	540TVL	540TVL
Integration rate	yes	no	no	no	no
IR cut filter	switchable	lowpass	lowpass	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS, Y/C	CVBS	CVBS	CVBS	CVBS
Serial interfaces	RS-422, RS-485	no	no	no	no
Lens mount	C/CS	C/CS	C/CS	C/CS	C/CS
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	230VAC	12VDC, 24VAC	230VAC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

System: day&night

TK-WD310E(B)
91696

JVC


C10DN-6X
92119

PELCO


SDC-425P
97022

SAMSUNG
SAMSUNG TECHWIN

SDC-425PD
120003

SAMSUNG
SAMSUNG TECHWIN

SDC-425PH
97023

SAMSUNG
SAMSUNG TECHWIN


Imager	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	480TVL	540TVL	580TVL	580TVL	580TVL
Integration rate	no	no	yes	yes	yes
IR cut filter	lowpass	switchable	lowpass	lowpass	lowpass
Backlight compensation	BLC, WDR	BLC, eclipser	BLC, HLC	BLC, HLC	BLC, HLC
Dig. noise reduction	no	no	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	no	no	no	no	no
Lens mount	CS	CS	C/CS	C/CS	C/CS
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	24VAC, 12VDC	12VDC	230VAC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

! Eclipser

The eclipser blends out extreme bright picture fields, such as car headlights, the f-stop is not influenced by „peak lights“.

System: day&night

SDC-425UP
120091SDN-550P
97024SDN-550PH
97025SHC-735AUP
120092SHC-735P
120005

Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	580TVL	530TVL	530TVL	560TVL	560TVL
Integration rate	yes	yes	yes	yes	yes
IR cut filter	lowpass	switchable	switchable	switchable	switchable
Backlight compensation	BLC, HLC	BLC	BLC	WDR, BLC, HLC	WDR, BLC, HLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	no	no	no	RS-485	RS-485
Lens mount	C/CS	C/CS	C/CS	C/CS	C/CS
Supply voltage	24VAC, 12VDC	12VDC, 24VAC	230VAC	12VDC, 24VAC	12VDC, 24VAC
Comments	Lens is not included / UTP signal output	Lens is not included	Lens is not included	Lens is not included / UTP signal output	Lens is not included

System: day&night

SHC-735PH
97027SHC-737P
97028SHC-745P
97181SHC-745PH
120006SHC-750P
97182

Imager	1/3" CCD	1/3" CCD	1/2" CCD	1/2" CCD	1/2" CCD
Horizontal resolution	560TVL	580TVL	560TVL	560TVL	450TVL
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	WDR, BLC	BLC, HLC	BLC, HLC	BLC, HLC	BLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	RS-485	RS-485	RS-485	RS-485	RS-485
Lens mount	C/CS	C/CS	C/CS	C/CS	CS
Supply voltage	230VAC	24VAC, 12VDC	12VDC, 24VAC	230VAC	12VDC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

System: day&night

SSC-DC693P
97295

SONY



SSC-DC698P
97296

SONY



SSC-E433P
z

SONY



SSC-E438P
92628

SONY



SSC-E473P
92621

SONY



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	520TVL	520TVL	540TVL	540TVL	540TVL
Integration rate	yes	yes	no	no	no
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	WDR, BLC	WDR, BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	RS-485	RS-485	no	no	no
Lens mount	CS	CS	CS	CS	CS
Supply voltage	230VAC	12VDC, 24VAC	12VDC, 24VAC	230VAC	12VDC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

System: day&night

SSC-E478P
92622

SONY



Imager	1/3" CCD
Horizontal resolution	540TVL
Integration rate	no
IR cut filter	switchable
Backlight compensation	BLC
Dig. noise reduction	no
Video outputs (type)	CVBS
Serial interfaces	no
Lens mount	CS
Supply voltage	230VAC
Comments	Lens is not included

System: Colour

CG-831PA1V
92511

FUJITSU



CG-832PA1V
92512

FUJITSU



TK-C1480BE
91091

JVC



TK-C1481BEG
91092

JVC



TK-C750E
91095

JVC



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	480TVL	480TVL	330TVL
Integration rate	no	no	yes	yes	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC, eclipser	BLC, eclipser	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS, Y/C	CVBS, Y/C	CVBS
Serial interfaces	no	no	RS-422, RS-485	RS-422, RS-485	no
Lens mount	CS	CS	C/CS	C/CS	C/CS
Supply voltage	12VDC, 24VAC	230VAC	12VDC, 24VAC	230VAC	24VAC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

System: Colour

TK-C751EG
91096

JVC



C10CH-6X
92118

PELCO



SDC-313BPH
120111

SAMSUNG
SAMSUNG TECHWIN



SSC-DC372P
97121

SONY



SSC-DC378P
97297

SONY



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	330TVL	540TVL	530TVL	480TVL	480TVL
Integration rate	no	no	yes	no	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC, eclipser	BLC	BLC	BLC
Dig. noise reduction	no	no	yes	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Serial interfaces	no	no	no	n/a	no
Lens mount	C/CS	CS	C/CS	CS	CS
Supply voltage	230VAC	12VDC, 24VAC	230VAC	12VDC	230VAC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

System: Colour

SSC-DC80P
97298

SONY



SSC-DC83P
97142

SONY



SSC-DC88P
97302

SONY



SSC-E413P
92625

SONY



SSC-E418P
92626

SONY



Imager	1/2" CCD	1/2" CCD	1/2" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	480TVL	480TVL	480TVL	540TVL	540TVL
Integration rate	no	no	no	no	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS, S-Video	CVBS, S-Video	CVBS, S-Video	CVBS	CVBS
Serial interfaces	no	no	no	no	no
Lens mount	C/CS	C/CS	C/CS	CS	CS
Supply voltage	12VDC	12VDC, 24VAC	230VAC	12VDC, 24VAC	230VAC
Comments	Lens is not included	Lens is not included	Lens is not included	Lens is not included	Lens is not included

System: black/white

VK-1316S/12V
91931

eneo



VK-1316S/230V
91933

eneo



Imager	1/3" CCD	1/3" CCD
Horizontal resolution	570TVL	570TVL
Integration rate	no	no
IR cut filter	no	no
Backlight compensation	BLC	BLC
Dig. noise reduction	no	no
Video outputs (type)	VBS	VBS
Serial interfaces	no	no
Lens mount	CS	CS
Supply voltage	12VDC	230VAC
Comments	Lens is not included	Lens is not included

System: day&night

VKC-1327A/VAR49
92154



VKC-1352
92095



Imager	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	550TVL
Integration rate	yes	no
IR cut filter	switchable	switchable
Backlight compensation	BLC	BLC
Dig. noise reduction	no	no
Video outputs (type)	CVBS	CVBS
Focal length	3,8-9,5 mm	3,8 mm
Lens type	varifocal	fixed focal length
Iris control	DC	no
Supply voltage	12VDC, 24VAC	12VDC

System: Colour

VKC-1344/3.8
92077



VKC-1344/VAR49
92072



VKC-1413/VAR25
91843



VKC-144
91756



VKC-144/PH
91774



Imager	1/3" CCD	1/3" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	550TVL	550TVL	380TVL	380TVL	380TVL
Integration rate	no	no	no	no	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,8 mm	4-9 mm	2,6-5,6 mm	3,6 mm	3,7 mm
Lens type	varifocal	varifocal	varifocal	fixed focal length	fixed focal length
Iris control	no	no	no	no	no
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC

! Board cameras

Board cameras are ideal for installation in our CANDID Junior housing series, which you can find in our catalogue. Our ready-assembly CANDID Plug & Play packages are even easier for you.

System: black/white

VK-1317/PH
91872VK-1317S
91926VK-133
91746VK-133/PH
91773

Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	600TVL	600TVL	420TVL	420TVL
Integration rate	no	no	no	no
IR cut filter	no	no	no	no
Backlight compensation	no	no	no	no
Dig. noise reduction	no	no	no	no
Video outputs (type)	VBS	VBS	VBS	VBS
Focal length	3,7 mm	3,8 mm	3,8 mm	3,7 mm
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Iris control	no	no	no	no
Supply voltage	12VDC	12VDC	12VDC	12VDC

! Basic board cameras

Basic board cameras have some limitations for outside use. The ESC (Electronic Shutter Control) function is not adequate when, for instance, in compensating for dazzling sunlight. It would be advisable to use a camera with a controlled shutter (DC/AI) in this case.

! Vandalism-proof camera systems

You can also find board camera housings in this catalogue. For applications in highly vulnerable areas we offer plug & play packs of vandalism-proof camera systems.

CAMERAS | Plug & Play

System: day&night

EX36MNX902W-P
92288

 **BOSCH**



REG-L1-812XC-01
93019

 **BOSCH**



REG-L1-835XC-01
97013

 **BOSCH**



MDF3000A-CS/28
92374

 **Dallmeier**



MDF3000A-CS/29
97525

 **Dallmeier**



Imager	1/3" CCD	1/2" CCD	1/2" CCD	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)
Horizontal resolution	550TVL	600TVL	600TVL	540TVL	540TVL
Integration rate	yes	n/a	n/a	yes	yes
IR cut filter	switchable	no	lowpass	switchable	switchable
Backlight compensation	n/a	BLC	no	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	n/a	CVBS	CVBS	CVBS
Focal length	2,5 mm	12 mm	35 mm	2,8-8 mm	2,9-8 mm
Lens type	fixed focal length	fixed focal length	fixed focal length	varifocal	varifocal
Protection rating	n/a	IP66	IP66	n/a	n/a
Hidden cable management	yes	n/a	n/a	no	no
Supply voltage	12-24VAC, 12-24VDC	12-24VDC, 12-24VAC	12-24VAC	12VDC	12VDC
Comments				not suitable for IR lighting	suitable for IR lighting

System: day&night

CANDID C-05
96077

 **eneo**



CANDID C-06
96078

 **eneo**



VKC-1327A-IR/W3
96086

 **eneo**



VKC-1327A/W3
96085

 **eneo**



VKC-1333A-IR/W3
96095

 **eneo**



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	480TVL	480TVL	540TVL	540TVL	540TVL
Integration rate	yes	yes	no	no	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	4,5-12,5 mm	7,5-50 mm	3,8-9,5 mm	3,8-9,5 mm	3,8-9,5 mm
Lens type	varifocal	varifocal	varifocal	varifocal	varifocal
Protection rating	IP66/67	IP66/67	IP67	IP67	IP67
Hidden cable management	yes	yes	yes	yes	yes
Supply voltage	12VDC	12VDC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Comments			IR Illumination by 15 integrated 850nm LEDs		IR Illumination by 15 integral 850nm LEDs

! Index of Protection

„IP“ stands for „International Protection“, an internationally specified standard for protection against contact and foreign particles (1st digit) and water (2nd digit). Accordingly, „IP67“ indicates „dust tight and complete protection against contact“ and „protection when immersed in water for 30 min.“.

System: day&night

VKC-1343/IR
92091



VKC-1348/CM2
92322



VKC-1353/IR
92098



VKC-1356-1/IR
92218



VKC-1358/IR
92136



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	480TVL	540TVL	550TVL	550TVL	550TVL
Integration rate	yes	no	yes	yes	no
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	no
Dig. noise reduction	no	no	yes	yes	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	9-22 mm	3,8-9,5 mm	3,8-9,5 mm	3,8-9,5 mm	3,8-9,5 mm
Lens type	varifocal	varifocal	varifocal	varifocal	varifocal
Protection rating	IP67	IP66	IP40	IP65	IP66
Hidden cable management	no	no	no	yes	yes
Supply voltage	12VDC, 24VAC	12VDC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Comments	IR Illumination by 40 Integral 850nm LEDs		IR Illumination by 7 integ- rated 850nm LEDs	IR Illumination by 56 integral 850nm LEDs	IR Illumination by 42 integral 850nm LEDs

System: day&night

VKC-1358/IR-922
92157



VKC-1359IR/W3P
96090



VKC-1361/IR-4.0
92205



VKC-1364/IR-3.7
92331



VKC-1364/IR-6
92329



Imager	1/3" CCD	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550TVL	540TVL	520TVL	550TVL	550TVL
Integration rate	no	yes	yes	no	no
IR cut filter	switchable	switchable	lowpass	lowpass	lowpass
Backlight compensation	no	BLC, WDR	BLC	BLC	BLC
Dig. noise reduction	no	yes	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	9-22 mm	3,8-9,5 mm	4 mm	3,7 mm	6 mm
Lens type	varifocal	varifocal	fixed focal length	fixed focal length	fixed focal length
Protection rating	IP66	IP67	IP67	IP67	IP67
Hidden cable management	yes	yes	no	no	no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC	12VDC	12VDC
Comments	IR Illumination by 42 integral 850nm LEDs	IR Illumination by 17 integral 850nm LEDs	IR Illumination by 20 integral 850nm LEDs	IR Illumination by 12 integrated 850nm LEDs	IR Illumination by 12 integrated 850nm LEDs

! Silica gel bag

When a Candid Junior W3 housing is opened it is possible that some air moisture may enter. We therefore recommend that the enclosed silica gel bag is used to counter this. However, do not open it too early, as it will quickly attract moisture and therefore become ineffective.

CAMERAS | Plug & Play

System: day&night

VKC-1416/IR-VHU
96064



VKC-1416/PP
92237



VKC-1416A/IR
92112



VKC-1422
92089



G2512-2KXV21AK
92131



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/3" CCD
Horizontal resolution	480TVL	480TVL	480TVL	480TVL	530TVL
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	yes	yes	yes	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,9-85,8 mm	3,9-85,8 mm	3,9-85,8 mm	3,3-99 mm	2,8-12 mm
Lens type	zoom	zoom	zoom	zoom	varifocal
Protection rating	IP66/67	IP66	IP40	IP40	IP66
Hidden cable management	yes	yes	no	no	no
Supply voltage	12VDC	12VDC, 24VAC	12VDC	12VDC	12VDC, 24VAC
Comments			Inspection certificate „BGV-Kassen“		

System: day&night

G3512-2KXV21AM
92132



G3512-2KXV3AM
92116



G3512-2KXV5AM
92122



SDZ-370P
120004



SDZ-375P
97026



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD	1/4"
Horizontal resolution	530TVL	530TVL	530TVL	550TVL	550TVL
Integration rate	yes	yes	yes	yes	yes
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC, HLC	WDR, BLC, HLC
Dig. noise reduction	no	no	no	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,8-12 mm	3-8 mm	5-40 mm	3,5-129,5 mm	3,5-129,5 mm
Lens type	varifocal	varifocal	varifocal	zoom	varifocal
Protection rating	IP66	IP66	IP66	n/a	n/a
Hidden cable management	yes	yes	yes	no	no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC	12VDC
Comments					

System: day&night

SIR-4150P
97032



SOC-4030P
97033



Imager	1/3" CCD	1/3" CCD
Horizontal resolution	520TVL	530TVL
Integration rate	yes	yes
IR cut filter	switchable	lowpass
Backlight compensation	BLC	BLC
Dig. noise reduction	yes	yes
Video outputs (type)	CVBS	CVBS
Focal length	3,8-9,5 mm	3-9 mm
Lens type	varifocal	varifocal
Protection rating	IP65	n/a
Hidden cable management	no	no
Supply voltage	100-240VAC, 50/60Hz	12VDC, 24VAC
Comments		

System: Colour

DF3000A-D/CC15
97520



DF3000A-D/CC28
97519



DF3000AS-D/CC15
97522



DF3000AS-D/CC28
97521



MDF3000A-CS-DCC
97526



Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
Integration rate	yes	yes	yes	yes	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	15-50 mm	2,8-8 mm	15-50 mm	2,8-8 mm	2,8-8 mm
Lens type	varifocal	varifocal	varifocal	varifocal	varifocal
Protection rating	n/a	n/a	n/a	n/a	n/a
Hidden cable management	no	no	no	no	no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC	12VDC	12VDC
Comments					

CAMERAS | Plug & Play

System: Colour

MDF3000A-M 2.3
97413

 **Dallmeier**



MDF3000A-M 3.6
92202

 **Dallmeier**



MDF3000A-M 6.0
97523

 **Dallmeier**



MDF3000A-M 8.0
97524

 **Dallmeier**



CANDID C-04
96004

 **eneo**



Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	480TVL
Integration rate	yes	yes	yes	yes	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,3 mm	3,6 mm	6 mm	8 mm	3-8 mm
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length	varifocal
Protection rating	n/a	n/a	n/a	n/a	IP66/67
Hidden cable management	no	no	no	no	yes
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Comments					

System: Colour

VKC-1324A/W3
96087

 **eneo**



VKC-1331
91978

 **eneo**



VKC-1331A
92531

 **eneo**



VKC-1332/SMD
91987

 **eneo**



VKC-1338/PIR
91991

 **eneo**



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	380TVL	550TVL	470TVL	470TVL
Integration rate	no	no	no	no	no
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	no	no	no	no
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,8-9,5 mm	3,6 mm	3,6 mm	3,6 mm	3,7 mm
Lens type	varifocal	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Protection rating	IP67	IP67	IP67	IP20	IP20
Hidden cable management	yes	no	no	yes	no
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Comments					

System: Colour

VKC-135
91506



VKC-1365T
92524



VKC-1366
92529



VKC-1368-WL/W3
96096



VKC-1423
92255



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	480TVL	540TVL	550TVL	540TVL	480TVL
Integration rate	no	no	no	no	yes
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	no	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	4 mm	2,9 mm	3,6 mm	3,8-9,5 mm	3,6-64,8 mm
Lens type	fixed focal length	fixed focal length	fixed focal length	varifocal	zoom
Protection rating	IP42	IP40	IP40	IP67	IP40
Hidden cable management	no	yes	no	yes	no
Supply voltage	12VDC	12VDC	12VDC	12VDC, 24VAC	12VDC
Comments				Illumination by 17 integral white light LEDs	

System: black/white

REG-X-816-XC
92269



VK-1319
91866



VK-1321/PIR
91989



VK-1322/SMD
91988



VK-134
91747



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	400TVL	420TVL	600TVL	600TVL	420TVL
Integration rate	n/a	no	no	no	no
IR cut filter	no	no	no	no	no
Backlight compensation	BLC	no	no	no	no
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	VBS	VBS	VBS	VBS	VBS
Focal length	16 mm	3,6 mm	3,7 mm	3,7 mm	3,6 mm
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Protection rating	IP66	IP67	IP20	IP20	IP40
Hidden cable management	yes	no	no	yes	no
Supply voltage	12VDC, 24VAC, 24VDC	12VDC	12VDC	12VDC	12VDC
Comments					

CAMERAS | Thermal Cameras

STC-14
120113


SAMSUNG TECHWIN



Resolution pixels	320 x 240
Spectral area	8-14 μm
Horizontal angle of view	30,1°
Vertical angle of view	22,8°
Geometrical Resolution (IFOV)	n/a
Thermal sensitivity	n/a
Lens mount	integrated lens
Lens type	fixed focal length
Focal length	14 mm
Detection range	360m
Video outputs (type)	CVBS
Serial interfaces	RS-485
Power consumption	22W
Housing	Outdoor
Sunshield	yes
Protection rating	IP66
PTZ Support	no
Supply voltage	24VAC

CAMERAS | Accessories

PICO REMOTE BOX
92203





Input Devices

Up-the-Coax Remote Control Box for Dallmeier Cam_InPIX Cameras

DPU-240W
97507





Power Supplies

Power Supply Unit 24/28VAC for the supply of up to 20 cameras

NETZTEIL 12V DC
97506





Power Supplies

Universal power supply unit 110-240VAC / 12VDC, removable adapter EU/UK/US/AUS

NETZTEIL 24V AC
97505





Power Supplies

Universal power supply unit 240VAC/24VAC removable adapter EU/UK/US/AUS

PRIVACY ZONE
92152





Product Addition

Privacy Zone Box for Dallmeier Cam_InPIX Cameras

BRKT-D020-01
97012





Mounting

Wall mount bracket for REG-L1/D1/L1, black

VKCD-1410/KB
92192





Input Devices

Remote Controller for VKCD-1410, VKC-1416(A)/IR and NTC-4101

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type






VKC-1343/WD1 92111   Mounting Wall Mount Bracket for VKC-1343/IR	W3 INST-KIT1 88148   Mounting Installation Kit for W3 Housings with Hidden Junction Boxes	WD-12 70650   Mounting Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, RAL7032	WD-12/E 70230   Mounting Wall Mount with Ball Joint, extendable, 1/4" Camera Fixing Screw, RAL7032	WD-13 70660   Mounting Ceiling Mount with Ball Joint, 1/4" Camera Fixing Screw, RAL7032	WD-13/E 70220   Mounting Ceiling Mount w. Ball Joint, extendable 1/4" Camera Fixing Screw, RAL7032	WD-18 70688   Mounting Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, Beige Grey
WD-21/RAL9006 70697   Mounting Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, RAL9006	WD-22 70769   Mounting Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, Beige Grey	WD-23 70771   Mounting Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, Pantone 877	WD-24 70772   Mounting Wall Mount with adjustable Swivel Head, 1/4" Camera Fixing Screw, Black Finish	WD-8/MK 71310   Mounting Wall Mount with Swivel Head, 1/4" Camera Fixing Screw, Black Finish	WD-9N 70023   Mounting Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, Black Finish	VHU-NT1 79494   Power Supplies Power Supply Unit for Candid Housing Series 230VAC/12VDC-14VAC(Camera/Heater)
VHU-NT2 79557   Power Supplies Power Supply unit for Candid Housing Series 230VAC/2x 24VAC (Camera/Heater)	VT-PS12DC-8 70535   Power Supplies Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, with DC Plug	VT-PS12DC-9 70536   Power Supplies Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, w. open Ends	H0225M 40059   Product Addition F2.5/2.5mm Board Camera Lens, 1/3" M12X0.5	H02625M 40073   Product Addition F2.5/2.6mm Board Camera Lens, 1/3" M12X0.5mm	VKC-1310S/D 91953   Product Addition Dummy camera (VKC-1310S Series) with Dummy Lens	JOYPTZ35MS/50MS 90116   Input Devices Joystick/Display for PTZ-35MS, PTZ-50MS (sold in Germany and Austria only)
PSU_SR-100 90119   Power Supplies PSU for Thermal Image camera SR-100 (sold in Germany and Austria only)	PSU_VSR/SR 92244   Power Supplies PSU for Thermal Image camera (sold in Germany and Austria only)	CM1750S 97385   Mounting Pelco wall mount universal	EM4400 97386   Mounting Pelco wall mount	SCC-101 120001   Input Devices Hand held remote control device for Box Type Zoom, IR & Dome Cameras, RS-485	SCC-3100A 120002   Input Devices System Controller for PTZ Dome Cameras, DVRs and Matrix Switchers, max 255 units	STB-4150V 120063   Mounting Wall Mount Camera Bracket, indoors

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type








DOMES CAMERAS Fixed











System: day&night

	DDF3000A4-DN2.9 97336	DDF3000A4-DN9.0 97335	DDF3000AV4DNA15 97406	DDF3000AV4DNA29 97404	DDF3000AV4DNE15 97407
					
Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,9-10 mm	9-22 mm	15-50 mm	2,9-8 mm	15-50 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	IP67 / clear	IP67 / clear	n/a / clear
Vandalism resistant	no	no	yes	yes	yes

System: day&night

	DDF3000AV4DNE29 97405	VKC-1327A/WDDG1 92166	VKC-1327A/WDDG2 92167	VKCD-1315FM/VF 92057	VKCD-1315SM/VF 92058
					
Imager	1/3" DPS (Cam_inPIX)	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	480TVL	480TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC	BLC	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,9-8 mm	3,8-9,5 mm	3,8-9,5 mm	3,8-9,5 mm	3,8-9,5 mm
Prot. rating / Colour (bubble)	n/a / clear	IP65 / clear	IP65 / clear	IP65 / tinted	IP65 / tinted
Vandalism resistant	yes	yes	yes	yes	yes











Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night					
	VKCD-1317FMH/VF 92096	VKCD-1317SMH/VF 92097	VKCD-1322 92162	VKCD-1322-2811 92219	VKCD-1323/IR 92164
					
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550TVL	550TVL	530TVL	530TVL	520TVL
IR cut filter	switchable	switchable	lowpass	lowpass	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,8-9,5 mm	3,8-9,5 mm	4-9 mm	2,8-11 mm	3,8-9,5 mm
Prot. rating / Colour (bubble)	IP65 / tinted	IP65 / tinted	IP66 / clear	IP66 / clear	IP66 / clear
Vandalism resistant	yes	yes	yes	yes	yes
					IR Illumination by 36 integral 850nm LEDs











System: day&night					
	VKCD-1324/IR 92169	VKCD-1325/IR 92206	VKCD-1326/IR 92221	VKCD-1327WFM/MF 92289	VKCD-1327WSM/MF 92291
					
					
Imager	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	550TVL	550TVL	540TVL	540TVL
IR cut filter	switchable	switchable	switchable	lowpass	lowpass
Backlight compensation	BLC, WDR	no	BLC	BLC	BLC
Dig. noise reduction	yes	no	yes	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,8-10 mm	3,8-9,5 mm	3,8-9,5 mm	3,7 mm	3,7 mm
Prot. rating / Colour (bubble)	IP66 / clear	IP65 / clear	IP65 / tinted	IP66 / clear	IP66 / clear
Vandalism resistant	yes	yes	yes	yes	yes
	IR Illumination by 35 integral 850nm LEDs	IR Illumination by 25 integral 850nm LEDs	IR Illumination by 20 integral 850nm LEDs		

DOME CAMERAS Fixed

System: day&night

	VKCD-1410 74137	TK-C215V12E 91103	TK-C215V4E 91102	TK-C215VP4E 91685	IS110-DWV9X 92235
					
					
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/3" DPS (Pixim)
Horizontal resolution	480TVL	540TVL	540TVL	540TVL	504TVL
IR cut filter	switchable	lowpass	lowpass	lowpass	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC, WDR
Dig. noise reduction	yes	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,9-85,8 mm	3,8-45,4 mm	2,8-10 mm	2,8-10 mm	3-9,5 mm
Prot. rating / Colour (bubble)	IP66 / clear	n/a / tinted	n/a / tinted	IP66 / clear	IP66 / tinted
Vandalism resistant	yes	no	no	yes	yes
	Inspection certificate „BGV-Kassen“				

System: day&night

	IS111-DNV22X 92233	IS111-DNV9X 92232	IS111-DWV9X 97017	IS151-DWV9X 97018	SID-370P 120096
					
					
Imager	1/3" CCD	1/3" CCD	1/3" DPS (Pixim)	1/3" DPS (Pixim)	1/4" CCD
Horizontal resolution	540TVL	540TVL	504TVL	504TVL	550TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC, WDR	WDR, BLC	BLC
Dig. noise reduction	no	no	no	no	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	9-22 mm	3-9,5 mm	3-9,5 mm	3-9,5 mm	3,5-129,5 mm
Prot. rating / Colour (bubble)	IP66 / clear	IP66 / clear	IP66 / clear	IP66 / clear	n/a / clear
Vandalism resistant	yes	yes	yes	yes	no

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

SID-450P
97029

SID-452P
120008

SID-45CP
120007

SID-460P
120010

SID-460PW
120011


Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	530TVL	530TVL	530TVL	580TVL	580TVL
IR cut filter	lowpass	lowpass	lowpass	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC, HLC	BLC, HLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3-9 mm	3-9 mm	3,7 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no	no	no

System: day&night

SID-460UP
120094

SID-46CP
120009

SID-47P
120012






SID-47PW
120013

SID-47UP
120093







Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	580TVL	530TVL	580TVL	580TVL	580TVL
IR cut filter	switchable	lowpass	lowpass	lowpass	lowpass
Backlight compensation	BLC, HLC	BLC	BLC, HLC	BLC, HLC	BLC, HLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,8-10 mm	8 mm	3,7 mm	3,7 mm	3,7 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no	no	no
	UTP signal output				UTP signal output

DOMES CAMERAS Fixed

System: day&night

	SID-48P 120014	SID-48PW 120015	SID-49P 120016	SID-49PW 120017	SID-500P 120018
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	580TVL	580TVL	580TVL	580TVL	500TVL
IR cut filter	lowpass	lowpass	lowpass	lowpass	switchable
Backlight compensation	BLC, HLC	BLC, HLC	BLC, HLC	BLC, HLC	BLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	8 mm	8 mm	3,7-8 mm	3,7-8 mm	3,8-38 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no	no	no

System: day&night

	SID-560P 120022	SID-560PW 120023	SID-562P 120024	SID-562PW 120025	SIR-4250SP 120026
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	560TVL	560TVL	560TVL	560TVL	520TVL
IR cut filter	switchable	switchable	lowpass	lowpass	switchable
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC	WDR, BLC, HLC	BLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,8-10 mm	2,8-10 mm	2,8-10 mm	2,8-10 mm	3,8-9,5 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	n/a / clear	n/a / tinted
Vandalism resistant	no	no	no	no	no

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

SIR-60P
120097

SVD-4300P
97039

SVD-4300PW
120072

SVD-4400P
97041

SVD-4600P
97042


Imager	1/3" CCD	1/4" CCD	1/4" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	580TVL	500TVL	500TVL	580TVL	560TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, HLC	BLC	BLC	BLC, HLC	WDR, BLC, HLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,6 mm	3,8-38 mm	3,8-38 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	n/a / clear	IP66 / clear	IP66 / clear	IP66 / clear	IP66 / clear
Vandalism resistant	no	yes	yes	yes	yes

System: day&night

SVD-4600PW
120073

SSC-CD77P
92612

SSC-CD79P
97304


Imager	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	560TVL	540TVL	540TVL
IR cut filter	switchable	switchable	switchable
Backlight compensation	WDR, BLC, HLC	BLC	WDR
Dig. noise reduction	yes	no	no
Video outputs (type)	CVBS	CVBS	CVBS
Focal length	2,8-10 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	IP66 / clear	IP66 / clear	IP66 / clear
Vandalism resistant	yes	yes	yes

DOME CAMERAS | Fixed

System: Colour

DDF3000A4-D-2.9
97337

Dallmeier



DDF3000A4-D-9.0
97338

Dallmeier



DDF3000APVAW2.3
92382

Dallmeier



DDF3000APVAW3.6
92147

Dallmeier



DDF3000APVAW6.0
97401

Dallmeier



Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,9-10 mm	9-22 mm	2,3 mm	3,6 mm	6 mm
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	IP66 / clear	IP66 / clear	IP66 / clear
Vandalism resistant	no	no	yes	yes	yes
	CasinoCam version	CasinoCam version			

System: Colour

DDF3000APVAW8.0
97399

Dallmeier



DDF3000APVEW2.3
97403

Dallmeier



DDF3000APVEW3.6
92148

Dallmeier



DDF3000APVEW6.0
97402

Dallmeier























DDF3000APVEW8.0
97396

Dallmeier






















Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	8 mm	2,3 mm	3,6 mm	6 mm	8 mm
Prot. rating / Colour (bubble)	IP66 / clear	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	yes	yes	yes	yes	yes

System: Colour	DDF3000AV4DA15 97411	DDF3000AV4DA28 97408	DDF3000AV4DE15 97412	DDF3000AV4DE28 97409	VKCD-1311FM/VF 92048
	 	 	 	 	 
Imager	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" DPS (Cam_inPIX)	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	550TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	15-50 mm	2,8-8 mm	15-50 mm	2,8-8 mm	4-9 mm
Prot. rating / Colour (bubble)	IP67 / clear	IP67 / clear	n/a / clear	n/a / clear	IP65 / tinted
Vandalism resistant	yes	yes	yes	yes	yes
	CasinoCam version	CasinoCam version	CasinoCam version	CasinoCam version	Inspection certificate „BGV-Kassen“






System: Colour	VKCD-1311SM/VF 92049	VKCD-1313FM/MF 92053	VKCD-1313SM/MF 92054	VKCD-1319SM/3.6 92155	VKCD-1320SM/VF 92156
	 	 	 	 	 
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550TVL	550TVL	550TVL	540TVL	540TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	4-9 mm	3,8 mm	3,8 mm	3,6 mm	3-9 mm
Prot. rating / Colour (bubble)	IP65 / tinted	IP65 / tinted	IP65 / tinted	IP40 / clear	IP40 / clear
Vandalism resistant	yes	yes	yes	no	no
	Inspection certificate „BGV-Kassen“				




DOME CAMERAS Fixed

System: Colour					
	VKCD-1321SFM/MF 92158	VKCD-1321SSM/MF 92159	VKCD-134/HR 92207	VKCD-135/HR 92208	VKCD-143 91801
					
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	540TVL	540TVL	550TVL	550TVL	330TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC	no	no	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,6 mm	3,6 mm	3,7 mm	3,7 mm	3,6 mm
Prot. rating / Colour (bubble)	IP66 / clear	IP66 / clear	IP40 / -	IP40 / -	IP40 / clear
Vandalism resistant	yes	yes	no	no	no

System: Colour					
	ICS090-CC3 91922	ICS210-CSV39A 92137	IS110-CHV9X 92123	IS110-CWV9X 92231	IS111-CHV9X 92117
					
					
Imager	1/3" CCD	1/4" CCD	1/3" CCD	1/3" DPS (Pixim)	1/3" CCD
Horizontal resolution	350TVL	480TVL	540TVL	504TVL	540TVL
IR cut filter	standard	standard	lowpass	standard	standard
Backlight compensation	BLC	BLC	BLC	BLC, WDR	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	2,9 mm	3-9 mm	3-9,5 mm	3-9,5 mm	3-9,5 mm
Prot. rating / Colour (bubble)	IP40 / clear	IP66 / clear	IP66 / tinted	IP66 / tinted	IP66 / clear
Vandalism resistant	no	no	yes	yes	yes

Products in the tables above are sorted by: 1. Brand, 2. Type

System: Colour	IS150-CHV9X 92124	IS150-CWV9X 92084	IS151-CHV9X 92125	IS90-CH3.6X 92133	IS90-CHV9X 92134
					
Imager	1/3" CCD	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	504TVL	540TVL	540TVL	540TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	BLC, WDR	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3-9,5 mm	3-9,5 mm	3-9,5 mm	3,6 mm	3-9,5 mm
Prot. rating / Colour (bubble)	IP66 / tinted	IP66 / tinted	IP66 / clear	IP40 / clear	IP40 / clear
Vandalism resistant	yes	yes	yes	no	no

System: Colour	IS90-CWV9 92229	SID-53P 97031	SID-53PW 120019	SID-53UP 120095	SID-56P 120020
					
Imager	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	504TVL	580TVL	580TVL	580TVL	580TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC, WDR	BLC	BLC	BLC	BLC
Dig. noise reduction	no	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3-9,5 mm	3 mm	3 mm	3 mm	6 mm
Prot. rating / Colour (bubble)	IP40 / tinted	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no	no	no
					UTP signal output

DOME CAMERAS Fixed

System: Colour

SID-56PW
120021



SSC-CD45P
92609



SSC-CD49P
92611



SSC-CD75P
97303



Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	580TVL	540TVL	480TVL	540TVL
IR cut filter	standard	standard	standard	standard
Backlight compensation	BLC	BLC	BLC, WDR	BLC
Dig. noise reduction	yes	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS
Focal length	6 mm	2,8-10 mm	2,8-10 mm	2,8-10 mm
Prot. rating / Colour (bubble)	n/a / clear	IP40 / clear	IP40 / clear	IP66 / clear
Vandalism resistant	no	no	no	yes

System: black/white

VKD-134
91781



VKD-135
91782



Imager	1/3" CCD	1/3" CCD
Horizontal resolution	420TVL	420TVL
IR cut filter	no	no
Backlight compensation	no	no
Dig. noise reduction	no	no
Video outputs (type)	VBS	VBS
Focal length	3,7 mm	3,7 mm
Prot. rating / Colour (bubble)	IP40 / -	IP40 / -
Vandalism resistant	no	no

System: day&night

DDZ3018-IM/HS/A
97283

Dallmeier

DDZ3018-SM/HS/A
97286

Dallmeier

DDZ3018-WM/HS/A
97289

Dallmeier

DDZ3026-IM/HS/A
97284

Dallmeier

DDZ3026-SM/HS/A
97287

Dallmeier



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	530TVL	530TVL	530TVL	530TVL	530TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	4,1-73,8 mm	4,1-73,8 mm	4,1-73,8 mm	3,5-91 mm	3,5-91 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	420°/Sec.	420°/Sec.	420°/Sec.	420°/Sec.	420°/Sec.
Speed (Preset)	420°/Sec.	420°/Sec.	420°/Sec.	420°/Sec.	420°/Sec.
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	IP67 / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no	no	no
Comments					

System: day&night

DDZ3026-WM/HS/A
97291

Dallmeier

DDZ3026A-DN
92399

Dallmeier

DDZ3036-IM/HS/A
97285

Dallmeier

DDZ3036-SM/HS/A
97288

Dallmeier

DDZ3036-WM/HS/A
97292

Dallmeier



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	530TVL	480TVL	530TVL	530TVL	530TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,5-91 mm	3,4-122,4 mm	3,4-122,4 mm	3,4-122,4 mm	4,1-73,8 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	420°/Sec.	90°/Sec.	420°/Sec.	420°/Sec.	420°/Sec.
Speed (Preset)	420°/Sec.	380°/Sec.	420°/Sec.	420°/Sec.	420°/Sec.
Prot. rating / Colour (bubble)	IP67 / clear	n/a / clear	n/a / clear	n/a / clear	IP67 / clear
Vandalism resistant	no	no	no	no	no
Comments					

DOME CAMERAS | PTZ

System: day&night

	EDC-3182 74169	EDC-3221 74152	EDC-3261 74153	EDC-3262 74170	EDC-3351 74159
					
					
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	540TVL	480TVL	480TVL	540TVL	540TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC	BLC	BLC	BLC, WDR
Dig. noise reduction	no	yes	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	4,1-73,8 mm	3,9-85,8 mm	3,5-91 mm	3,5-91 mm	3,4-119 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	380°/Sec.	380°/Sec.	380°/Sec.	380°/Sec.	380°/Sec.
Speed (Preset)	380°/Sec.	380°/Sec.	380°/Sec.	380°/Sec.	380°/Sec.
Prot. rating / Colour (bubble)	IP40 / clear	IP40 / clear	IP40 / clear	IP40 / clear	IP40 / clear
Vandalism resistant	no	no	no	no	no
Comments					

System: day&night

	EDC-3362 74161	EDCH-142E/C 74123	EDCH-142E/C-AKS 74141	EDCH-144E/C 74119	EDCH-144E/C-AKS 74142
					
					
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	540TVL	480TVL	480TVL	480TVL	480TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,4-122,4 mm	3,9-85,8 mm	3,9-85,8 mm	3,5-91 mm	3,5-91 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	380°/Sec.	90°/Sec.	90°/Sec.	90°/Sec.	90°/Sec.
Speed (Preset)	380°/Sec.	360°/Sec.	360°/Sec.	360°/Sec.	360°/Sec.
Prot. rating / Colour (bubble)	IP40 / clear	IP65 / clear	IP65 / clear	IP65 / clear	IP65 / clear
Vandalism resistant	no	yes	yes	yes	yes
Comments		Wall bracket not included	Power & Connection Box AKS1 included	Wall bracket not included	Power & Connection Box AKS1 included

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

EDMC-2221
74131TK-C685E
92356TK-C685WPE
92357TK-C686E
91141TK-C686WPE
91142

Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	480TVL	540TVL	540TVL	540TVL	540TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC	BLC, ExDR	BLC, ExDR	BLC, ExDR	BLC, ExDR
Dig. noise reduction	yes	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,9-85,8 mm	3,43-92,6 mm	3,43-92,6 mm	3,43-122 mm	3,43-122 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	150°/Sec.	500°/Sec.	500°/Sec.	500°/Sec.	500°/Sec.
Speed (Preset)	375°/Sec.	500°/Sec.	500°/Sec.	500°/Sec.	500°/Sec.
Prot. rating / Colour (bubble)	IP66 / clear	n/a / clear	IP66 / clear	n/a / clear	IP66 / clear
Vandalism resistant	yes	no	no	no	no
Comments					

System: day&night

SD418-F0-X
70966SD418-PG-0-X
70967SD418-PG-E0-X
70968SD418-PG-E1-X
70969SD435-F-E0-X
70932

Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	470TVL	470TVL	470TVL	470TVL	540TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	no	no	no	no	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,8-68,4 mm	3,8-68,4 mm	3,8-68,4 mm	3,8-68,4 mm	3,4-119 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.
Speed (Preset)	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.
Prot. rating / Colour (bubble)	IP40 / tinted	IP66 / tinted	IP66 / tinted	IP66 / clear	IP66 / tinted
Vandalism resistant	no	no	no	no	no
Comments					

DOME CAMERAS | PTZ

System: day&night

SD435-F0-X
70931

PELCO



SD435-HPE1-X
97186

PELCO



SD435-PB-1-X
73971

PELCO



SD435-PG-0-X
70933

PELCO



SD435-PG-E0-X
70934

PELCO



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	540TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	WDR, BLC	WDR, BLC	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,4-119 mm	3,4-119 mm	3,4-119 mm	3,4-119 mm	3,4-119 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.
Speed (Preset)	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.
Prot. rating / Colour (bubble)	IP40 / tinted	IP66 / clear	IP66 / clear	IP66 / tinted	IP66 / tinted
Vandalism resistant	no	yes	no	no	no
Comments					

System: day&night

SD435-PG-E1-X
70971

PELCO



SD435-SMW-0-X
70935

PELCO



SD4CBW-F0-X
70955

PELCO



SD4CBW-PG-E0-X
70957

PELCO



SD4CBW-PG-E1-X
70958

PELCO



Imager	1/4" CCD	1/4" CCD	1/4"	1/4" CCD	1/4"
Horizontal resolution	540TVL	540TVL	470TVL	470TVL	470TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,4-119 mm	3,4-119 mm	3,6-82,8 mm	3,6-82,8 mm	3,6-82,8 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.
Speed (Preset)	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.
Prot. rating / Colour (bubble)	IP66 / clear	IP40 / tinted	IP40 / tinted	IP66 / tinted	IP66 / clear
Vandalism resistant	no	no	no	no	no
Comments					

! RS-485 installations

Incorrect wiring is the most frequent cause of faults for RS-485 installations. Please ensure that the RS-485 cable configuration routed to the cameras has a ring topography. The last dome is to be terminated with 120 Ohm. All interstage domes are not terminated. Please use a star hub (e.g. PDU-1) for star topography cabling; all domes are terminated at the end of the cable with this cabling configuration.

Faults can also be caused by electromagnetic radiation, as the level of the RS-485 interface is only 5V. Please ensure that shielded cables are used and the shield is earthed at one end.

! Day/night Function

The Fastrax Domes deliver natural colour rendering during bright daylight conditions. At night or when the light has dropped below a particular level they can switch over to a B/W signal automatically or manually. In order to ensure optimum responsiveness even in the infrared range, this is supported by a retractable infrared cut filter that eliminates the disruptive infrared light component in daylight.

Products in the tables above are sorted by: 1. Brand, 2. Type

System: day&night

SD4CBW-PG-0-X
70956

PELCO


SD4CBW-SMW-0-X
70965

PELCO


SD4H35-PG-0-X
70974

PELCO


SD4H35-PG-1-X
70975

PELCO


SPD-1000P
120048

SAMSUNG
SAMSUNG TECHWIN


Imager	1/4"	1/4"	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	470TVL	470TVL	540TVL	540TVL	520TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, WDR	BLC, WDR	BLC, WDR	BLC, WDR	BLC
Dig. noise reduction	no	no	no	no	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,6-82,8 mm	3,6-82,8 mm	3,4-119 mm	3,4-119 mm	3,8-38 mm
Rotation range	360°	360°	360°	360°	350°
Speed (manual)	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.	140°/Sec.
Speed (Preset)	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.	140°/Sec.
Prot. rating / Colour (bubble)	IP66 / tinted	IP40 / tinted	IP66 / tinted	IP66 / clear	n/a / -
Vandalism resistant	no	no	no	no	no
Comments					

System: day&night

SPD-2700P
97034

SPD-3310P
97035

SPD-3350P
97036

SPD-3700P
120050

SPD-3700TP
120051


Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	550TVL	550TVL	550TVL	550TVL	550TVL
IR cut filter	switchable	switchable	switchable	switchable	switchable
Backlight compensation	BLC, HLC	BLC, HLC	WDR, BLC, HLC	BLC, HLC	BLC, HLC
Dig. noise reduction	yes	yes	yes	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,5-95,8 mm	3,5-115,5 mm	3,5-115,5 mm	3,5-129,5 mm	3,5-129,5 mm
Rotation range	360°	360°	360°	360°	360°
Speed (manual)	120°/Sec.	120°/Sec.	120°/Sec.	120°/Sec.	120°/Sec.
Speed (Preset)	500°/Sec.	500°/Sec.	500°/Sec.	500°/Sec.	500°/Sec.
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear	n/a / clear	n/a / clear	n/a / clear
Vandalism resistant	no	no	no	no	no
Comments					Auto tracking support

DOME CAMERAS | PTZ

System: day&night

SPD-3750P
120052



SPD-3750TP
97037



Imager	1/4" CCD	1/4" CCD
Horizontal resolution	550TVL	550TVL
IR cut filter	switchable	switchable
Backlight compensation	WDR, BLC, HLC	WDR, BLC, HLC
Dig. noise reduction	yes	yes
Video outputs (type)	CVBS	CVBS
Focal length	3,5-129,5 mm	3,5-129,5 mm
Rotation range	360°	360°
Speed (manual)	120°/Sec.	120°/Sec.
Speed (Preset)	500°/Sec.	500°/Sec.
Prot. rating / Colour (bubble)	n/a / clear	n/a / clear
Vandalism resistant	no	no
Comments		Auto tracking support

System: Colour

EDMC-142
74116



SD4-W0-X
73933



SD4-W1-X
73934



SD4C22-F-E0-X
97054








SD4C22-F0-X
70945



Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	430TVL	460TVL	460TVL	460TVL	460TVL
IR cut filter	standard	standard	standard	standard	standard
Backlight compensation	BLC	no	no	no	no
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,15-31,5 mm	4,2-42 mm	4,2-42 mm	4-88 mm	4-88 mm
Rotation range	359°	360°	360°	360°	360°
Speed (manual)	120°/Sec.	100°/Sec.	100°/Sec.	150°/Sec.	150°/Sec.
Speed (Preset)	120°/Sec.	140°/Sec.	140°/Sec.	400°/Sec.	400°/Sec.
Prot. rating / Colour (bubble)	IP65 / clear	IP40 / tinted	IP40 / clear	IP66 / tinted	IP40 / tinted
Vandalism resistant	yes	no	no	no	no
Comments				Similar as above image	

! EDC-KBDM-3 and KBD-2 keyboards

Domes can not only be controlled over Fastrax with the EDC-KBDM-3 and KBD-2 keyboards, but also over Pelco D and Pelco P protocols.

System: Colour	SD4C22-PG-E0-X 70960	SD4C22-PG-E1-X 70962	SD4C22-PG-0-X 70961	SD4C22-SMW-0-X 70964	SD4TC-F0-X 73954
					
	Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
	Horizontal resolution	460TVL	460TVL	460TVL	460TVL
	IR cut filter	standard	standard	standard	standard
	Backlight compensation	no	no	no	no
	Dig. noise reduction	no	no	no	no
	Video outputs (type)	CVBS	CVBS	CVBS	CVBS
	Focal length	4-88 mm	4-88 mm	4-88 mm	4-64 mm
	Rotation range	360°	360°	360°	360°
	Speed (manual)	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.
	Speed (Preset)	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.
	Prot. rating / Colour (bubble)	IP66 / tinted	IP66 / clear	IP66 / tinted	IP40 / tinted
	Vandalism resistant	no	no	no	no
	Comments				

System: Colour	SD4TC-PB-1-X 73969	SD4TC-PG-0-X 70952	SD4TC-PG-E0-X 70953	SD4TC-PG-E1-X 70954	SD4TC-SMW-0-X 70963
					
	Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
	Horizontal resolution	460TVL	460TVL	460TVL	460TVL
	IR cut filter	standard	standard	standard	standard
	Backlight compensation	no	no	no	no
	Dig. noise reduction	no	no	no	no
	Video outputs (type)	CVBS	CVBS	CVBS	CVBS
	Focal length	4-64 mm	4-64 mm	4-64 mm	4-64 mm
	Rotation range	360°	360°	360°	360°
	Speed (manual)	150°/Sec.	150°/Sec.	150°/Sec.	150°/Sec.
	Speed (Preset)	400°/Sec.	400°/Sec.	400°/Sec.	400°/Sec.
	Prot. rating / Colour (bubble)	IP66 / clear	IP66 / tinted	IP66 / tinted	IP66 / clear
	Vandalism resistant	no	no	no	no
	Comments				

DOME CAMERAS

Accessories

PICO REMOTE BOX 92203  Input Devices Up-the-Coax Remote Control Box for Dallmeier Cam_InPIX Cameras	DDZ30XX CB 97431  Mounting Corner Bracket for PTZ Dome	DDZ30XX-SM/WH 97496  Mounting Wall mount bracket for surface mount variant of PTZ domes DDZ30XX-SM/HS	DDZ30XX-WM/DH 97497  Mounting Ceiling mount bracket for Domera for Domera weather-proof housing, white	DDZ30XX-WM/EH 97499  Mounting Corner bracket, for wall mount bracket of Domera weather-proof versions, white	DDZ30XX-WM/PH 97498  Mounting Pole bracket, for wall mount bracket of Domera weather-proof versions, white	DDZ30XX-WM/WH 97495  Mounting Wall mount bracket for PTZ dome cameras in weatherproof housing (DDZ30XX-WM/HS)
DPU-240W 97507  Power Supplies Power Supply Unit 24/28VAC for the supply of up to 20 cameras	DPU-480W 97508  Power Supplies Power Supply Unit 24/28VAC for the supply of up to 20 cameras	NETZTEIL 12V DC 97506  Power Supplies Universal power supply unit 110-240VAC / 12VDC, removable adapter EU/UK/US/AUS	NETZTEIL 24V AC 97505  Power Supplies Universal power supply unit 240VAC/24VAC removable adapter EU/UK/US/AUS	DDF3000APV_ACSS 97275  Product Addition Design Cover Ring for DDF3000APV Picodome, Surface Mount, Carbon black	DDF3000APV_ANM 97276  Product Addition Design Cover Ring for DDF3000APV Picodome, Surface Mount, walnut matt	DDF3000APV_ASW 97267  Product Addition Design Cover Ring for DDF3000APV Picodome, Surface Mount, black/white
DDF3000APV_AWD 97277  Product Addition Design Cover Ring for DDF3000APV Picodome, Surface Mount, Burl Wood, dark	DDF3000APV_AWH 97278  Product Addition Design Cover Ring for DDF3000APV Picodome, Surface Mount, Burl Wood, light	DDF3000APV_EC 97272  Product Addition Design Cover Ring for DDF3000APV Picodome, Flush Mount, Chrome	DDF3000APV_ECS 97273  Product Addition Design Cover Ring for DDF3000APV Picodome, Flush Mount, Chrome black	DDF3000APV_EGGB 97268  Product Addition Design Cover Ring for DDF3000APV Picodome, Flush Mount, golden brushed	DDF3000APV_EGGL 97274  Product Addition Design Cover Ring for DDF3000APV Picodome, Flush Mount, golden gleaming	DDF3000APV_EKG 97269  Product Addition Design Cover Ring for DDF3000APV Picodome, Flush Mount, Coppery brushed
DDF3000APV_ESS 97271  Product Addition Design Cover Ring for DDF3000APV Picodome, Flush Mount, black/silver	DDF3000XX-KG/AP 97489  Product Addition Tinted Bubble for DDF3000, Surface Mount	DDF3000XX-KG/EB 97490  Product Addition Tinted Bubble for DDF3000, In-Ceiling Mount	DDF3000XX-KK/AP 93028  Product Addition Clear Bubble for DDF3000, Surface Mount	DDF3000XX-KK/EB 97488  Product Addition Clear Bubble for DDF3000, In-Ceiling Mount	DDZ30XX-IM/KG/S 97500  Product Addition Tinted bubble for PTZ dome cameras flush mount variant DDZ30XX-IM/HS, black	DDZ30XX-IM/KG/W 97509  Product Addition Tinted bubble for PTZ dome cameras flush mount variant DDZ30XX-IM/HS, white

Products in the tables above are sorted by: 1. Brand, 2. Kategorie, 3. Type

PRIVACY ZONE 92152  	EDC-OPX/IPX-CC1 74143  	VKCD-1324/IR-MC 92389  	EDC-IDFHCB 74139  	EDC-IPC-2/24V 74135  	EDC-IPS-2/24V 74134  	EDC-OPC-2/24V 74130  
Product Addition	Cables	Cables	Housings	Housings	Housings	Housings
Privacy Zone Box for Dallmeier Cam_InPIX Cameras	Connection cable for EDC-xxx-2 Fastrax III, Standard Domes in In/Outdoor Housing	Spot Monitor Cable for VKCD-1324/IR	Flush Mount Dome Closed Housing, Black Trimming, Clear Bubble 6.8"	Pendant Mount Indoor Dome Housing with Clear Bubble 6.5", 24VAC	Pendant Mount Indoor Dome Housing with Tinted Bubble 6.5", 24VAC	Pendant Mount Outdoor Dome Housing, Sun Shield, Clear Bubble 6.5", 24VAC

EDC-OPS-2/24V 74136  	EDC-KBD1 74088  	EDC-KBDM-3 74092  	KBD-2 74149  	KBD-CSK-100 74217  	KBD-NSC-100 74746  	EDC-AKS1 74125  
Housings	Input Devices	Input Devices	Input Devices	Input Devices	Input Devices	Mounting
Pendant Mount Outdoor Dome Housing with Sunshield, Tinted Bubble 6.5", 24VAC	System Keyboard with 3-axis Joystick, 12VDC	System Keyboard w. Joystick, 5" Monitor 12VDC, Fastrax Protocol	System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC	System Keyboard with 3-Axis Joystick, 12VDC	Network System Controller with 3-Axis Joystick and Jog Shuttle, 12VDC	Power & Connection Box with Mounting Bracket for In/Outdoor, 230V-24VAC/3.0A

EDC-AKS1/MP 74138  	EDC-CMA2 74054  	EDC-CMA3 73155  	EDC-CMT1 74128  	EDC-PM7 74055  	EDC-RTB2 74140  	EDC-RTB3 74164  
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Adapter Plate for Fixation of EDC-AKS1 to EDC-PM7 or EDC-CMA2	Corner Mount Adapter for EDC-IPx1/OPx1 Housings and Wall Bracket EDC/WMB1	Corner Mount Adapter for Fastrax Wall Bracket EDC-WMB1, Steel Metal	Ceiling Mount Tube with Flange Plate for EDC(H) Dome Cameras with Mounting Kit	Pole Mount Adapter for EDC-IPx1/OPx1 Housings and Wall Bracket EDC/WMB1	Pole & Roof Mount Bracket for Fastrax 2 outdoor Housings & EDCH	Pole & Roof Mount Bracket for Fastrax 1 & 2 and outdoor Housings & EDCH

EDC-WMB1 74127  	EDMC-RTB 74107  	EDMC/CWB-1 74155  	IRCAM/CB1 92209  	IRCAM/WB2 92168  	VDOME/WB2 74151  	VKCD/WMB-1 91805  
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Wall Mount for EDC(H) Dome Cameras with Mounting Kit	Roof Mount Bracket for Minitrax Camera Series, Outdoor Installation	Wall or Pendant Mount Kit for EDMC Dome Camera Series EDMC and NTD	Ceiling Mount Kit for VKCD-1322 and VKC-1324/IR	Wall Mount Kit for VKCD-1322 and VKCD-1324/IR	Wall Mount Kit for Vandalism Resistant Dome Cameras SM/VF Series	Wall Mount for VKD-136, VKCD-143, VKCD-144/HR

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

DOME CAMERAS

Accessories

VKCD/WMB-2 91883  	VKCD/WMB-2SW 92047  	EDC-AKS2 74163  	NE-128 70449  	NE-132/AC24V 70527  	VT-PS12DC-8 70535  	VT-PS12DC-9 70536  
Mounting Wall Mount Bracket, Grey, for VKCD-136, VKCD-145, VKCD-146, VKCD-1310	Mounting Wall Mount Bracket, Black, for VKCD-1320SM/VF	Power Supplies Power&Connection Box with Connection Cable 3.5m, In/Outdoor, 230V-24VAC/3.0A	Power Supplies Voltage supply unit 230V/24VAC-5A, IP66	Power Supplies Power Supply Unit 230VAC/24VAC (1.0A)	Power Supplies Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, with DC Plug	Power Supplies Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, w. open Ends
3/4" - M25X1.5 88149  	EDC-COAX 74094  	EDC-CR1 74089  	EDC-PBP 74095  	EDMC/H12 74099  	EDMC/H24 74104  	FASTRAX_CONFIG 74124  
Product Addition Thread Adapter 3/4" - Conduit Connection M25x1.5mm for Dome Surface Mount Housing	Product Addition Coax Telemetry Board for VPT-41/42, VPT-501/601, EDC/EDMC Series assembled	Product Addition Converter RS-232/RS-485, Repeater RS-485	Product Addition Protocol Converter BiPhase to RS-422, RS-485 for EDC Dome Cameras, 12VDC	Product Addition Low Voltage Heater Kit 12V/10W for Minitrax Series	Product Addition Low Voltage Heater Kit 24V/10W for Minitrax Series	Product Addition Configuration Software for Eneo Fastrax, Minitrax Dome Cameras and VKC-1416
VKCD-1320/DUMMY 92153  	VKCD-1323/IR-KB 92165  	WDDG2/H12 71664  	RM-P2580E 91108  	BK-WB68CM 91688  	BK-WB68SN 91689  	BK-WB68UPA 91691  
Product Addition Dummy camera (VKCD-1320 Series)	Product Addition External Remote Control Board for VKCD-1323/IR	Product Addition Low Voltage Heater Kit 12V/8W for WDDG-2 housing	Input Devices System Keyboard with 3-axis Joystick for 8 Dome Cameras, 230VAC	Mounting Corner mount for TK-C686WPE / VN-V686WPU	Mounting Swan Neck Mounting for TK-C686WPE and VN-V686WPU	Mounting Universal Pole mount adapter for TK-C686WPE and VN-V686WPU
WB-S681U 91692  	WB-S682U 91693  	WB-S684U 91695  	WB-S685U 91694  	BL-HL50/24 91109  	PS-24/5E 97241  	KA-ZH215U 91687  
Mounting Pendant mount indoor for TK-C686E and VN-V686U	Mounting Wall mount indoor for TK-C686E and VN-V686U	Mounting Outdoor pendant mount for TK-C686WPE and VN-V686WPU	Mounting Ceiling recessed bracket indoor for TK-C686E and VN-V686U	Power Supplies Voltage Supply Unit 230V/24VAC-50W for PTZ Domes Series TK-C/VN-V685/686	Power Supplies Outdoor Power Supply for dome cameras 24 VAC/5A, IP 66	Product Addition Optional heater for Fix Dome Cameras for TK-C215VP and VN-C215VP Series






















Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

DF5-0 73547 	DF5-PG-0 73548 	DF5-PG-1 73533 	LD5F-0 73412 	LD5F-1 73411 	SPM4-W 73935 	CM400 73521 
Housings	Housings	Housings	Housings	Housings	Housings	Mounting
Dome Camera Housing f. In-Ceiling Mount (Design as SD53 Domes), Tinted Bubble	Dome Camera Housing for Pendant Mount (Design as SD53 Domes), Tinted Bubble	Dome Camera Housing for Pendant Mount (Design as SD5 Domes), Clear Bubble	Smoked bubble 5,9" for in-ceiling mount housing	Clear Bubble for SD53 In-Ceiling Mount Versions (Indoor)	Dome Pendant Mount Housing for Spectra SD4 Mini Dome Systems	Corner Mount Adapter for Wall Mount IWM-GY and IWM24-GY
DD5-FM 73605 	IWM-GY 73536 	IWM24-GY 73417 	MRCA 73418 	PA402 73537 	PP350 76418 	PP351 76419 
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Removable fixed Mount Bracket for Box Cameras in SD53 Dome Housings	Wall Mount for SD53 Dome Housings	Wall Mount for SD53 Domes with Integrated Power Supply 230VAC/24VAC	Ceiling Mount Adapter for SD53 Domes	Pole Mount Adapter for Wall Mount IWM-GY and IWM24-GY	Wall Mount (swivel) for SD53 Domes	Parapet Roof Mount Bracket (swivel) for SD53 Domes
SP01-001 73900 	SP01-146A 73943 	SP01-146B 73944 	SP99-321 73959 	SWM-CA 73958 	SWM-GY 73485 	SWM-PA-GY 73487 
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Swan Neck Bracket for Spectra Cameras	1.5" NPT Extension, 30.4cm Length for Spectra III Domes	1.5" NPT Extension, 101.6cm Length for Spectra III Domes	Telescoping Pole, 4-8', SMR99-321	Corner Mount Adapter for Wall Bracket SMW-GY	Wall Mount for SD53 Domes Bracket 16cm	Pole Mount Adapter for SMW-GY Wall Mount
SWM4-W 73936 	MCS16-10 92128 	MCS16-20 92129 	MCS4-2 92126 	MCS8-5 92127 	WCS1-4 73527 	DF8-PG-E0 74197 
Mounting	Power Supplies	Power Supplies	Power Supplies	Power Supplies	Power Supplies	Product Addition
Wall Mount for Pendant Mount Housing, SD4 Mini Dome Systems	Power Supply 230V/24VAC-28VAC (10A), 16 Outputs	Power Supply 230V/24VAC-28VAC (20A), 16 Outputs	Power Supply 230V/24VAC (2A), 4 Outputs	Power Supply 230V/24VAC-28VAC (5A), 8 Outputs	Power Supply 230V/24VAC-28VAC (4A) in weatherproof Housing	Dome Camera Housing for Pendant Mount Clear Bubble, IP66, gray








Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

DOME CAMERAS

Accessories

IPS CABLE 73902 	TXB-AD 73543 	TXB-B 73685 	STH-1000PI 120064 	STH-1000PO 120065 	STH-320PO 120066 	STH-330PEV 120067 
Product Addition Remote Interface Cable for PC/Palm/iPaq to Spectra Series III&IV	Product Addition Interface Translator American Dynamics Manchester to Pelco D Protocol	Product Addition Interface Translator Philips Allegiant to Pelco D Protocol	Housings Indoor Dome Housing for SPD-1000/SNP-1000	Housings Outdoor Dome Housing for SPD-1000/SNP-1000	Housings Outdoor Dome Housing, IP66, for SPD-3300/3000/2300, SNP-3300	Housings Indoor Dome Housing, Flush Mount, for SPD-3300/3000
STH-330PIV 120068 	STH-330POV 120069 	STH-370PE 97092 	STH-370PI 97089 	STH-370PO 97088 	STH-380PO 97087 	SCC-1000 120102 
Housings Outdoor Dome Housing, IP67, for SPD-3300/3000	Housings Outdoor Dome Housing, IP67, for SPD-3300/3000, with heater, fan	Housings In-ceiling Housing SPD-3750/3700/3350/3310/2310	Housings Indoor Dome Housing for SPD-3750/3700/3350/3310/2310	Housings Outdoor Dome Housing for SPD-3750/3700/3350/3310/2310, -20° to +50°C	Housings Outdoor Dome Housing for SPD-3750/3700/3350/3310/2310, -40° to +50°C	Input Devices Control Unit with 3-Axis Joystick, for PTZ Domes
SCC-101 120001 	SCC-3100A 120002 	STB-20PF 120053 	STB-225VW 120054 	STB-225VWS 97097 	STB-230PW 120055 	STB-249VW 120056 
Input Devices Hand held remote control device for Box Type Zoom, IR & Dome Cameras, RS-485	Input Devices System Controller for PTZ Dome Cameras, DVRs and Matrix Switchers, max 255 units	Mounting Flange for PTZ Dome Cameras, indoors	Mounting Wall Bracket for SVD-4600/4300, white, vandalism-proof, Aluminium	Mounting Wall Bracket for SVD-4600/4300, silver, vandalism-proof	Mounting External Wall Mount for PTZ Dome Camera SPD-1000/SNP-1000	Mounting Curved Wall Mount Bracket, external, for SVD-4600/4300, white
STB-249VWS 97095 	STB-250VC 97094 	STB-250VC 120057 	STB-250VCW 120058 	STB-25PF 97081 	STB-270PWW 97078 	STB-275VW 120059 
Mounting Curved Wall Mount Bracket, external, for SVD-4600/4300, silver	Mounting Corner Bracket for SVD-4600/4300, silver	Mounting Corner Bracket for SVD-4600/4300, silver	Mounting Corner Bracket for SVD-4600/4300, white	Mounting Flange for PTZ Dome Cameras, outdoors, for SPD-3750/3700/3350/3310/2310	Mounting External Wall Mount for PTZ Dome Camera STH-330/320	Mounting Wall Bracket for SVD-4600/4300, white, vandalism-proof

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

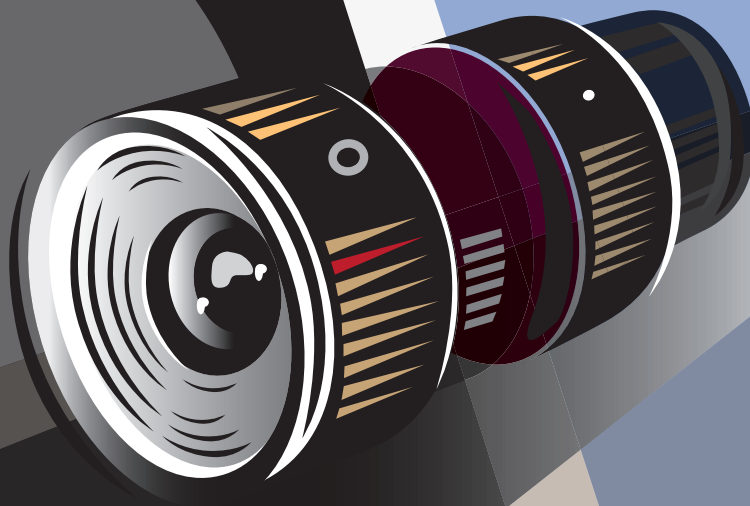
STB-275VWS 97096	STB-280PW 120060	STB-30PF 97082	STB-319VP 120061	STB-319VPS 97098	STB-330PC 120062	STB-330PPM 97083
						
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Wall Bracket for SVD-4600/4300, silver, vandalism-proof	External Wall Mount for PTZ Dome Camera SPD/SNP1000	Ceiling Flange for PTZ Dome Cameras Housing	Pendant Mount for SVD-4600, white vandalism-proof	Pendant Mount for SVD-4600, silver vandalism-proof	Ceiling attachment bracket for PTZ Domes	Pole Mount Bracket for PTZ Dome Bracket STB-270PWV

STB-340PCM 97084	STB-350PPM 97085	STB-370PC 97086	STB-496PPV 97079
			
Mounting	Mounting	Mounting	Mounting
Corner Mount Bracket for Wall Bracket STB-270PWV	Parapet Mount Bracket for PTZ Dome	Ceiling Mount Bracket for SPD-3750 /3700 /3350 /3310 /2310	Pendant Bracket for PTZ Dome Camera STH-330/320

! Privacy Zone Box

The Privacy Zone Box (92152) is connected between the camera and the recorder. A shortcut key combination can insert a rectangle of any size with different brightness (called a "Privacy Zone") in an analogue video signal. This "Privacy Zone" can cover the PIN pad at ATMs to make the PIN invisible to security staff, for instance. Password protected operation ensures high security. The Privacy Zone Box can also be used for cameras made by other manufacturers.

[illegible]



Nominal format size:
1/3"

F0412M-NFS
47157



F0612M-NFS
47158



F0312M-NFS
47156



F0212M-NFS
47162



F0812M-NFS
47159



F0612NDDC-NFS
47149



YF8A-SA2LB
49015



Day/Night	no	no	yes	yes	yes	no	no
Megapixel	no	no	no	no	no	no	no
Horizontal angle of view	65,6°	46,5°	93,2°	118,6°	34,5°	46,5°	33,4°
Aperture range (F)	F1,2~C	F1,2~C	F1,2~C	F1,2~C	F1,2~C	F1,2~F260	F1,2~T360
Iris control	manual	manual	manual	manual	manual	DC	DC
Focal length	4mm	6mm	2,8mm	5,5mm	8mm	6mm	8mm
Mount	CS	CS	CS	CS	CS	CS	CS
MOD	0,2m	0,2m	0,2m	0,1m	0,2m	0,2m	0,1m
Filter screw size	not available	not available	not available	not available	not available	not available	not available

Nominal format size:
1/3"

YF16A-SA2LB
49017



F0212NDDC-NFS
47161



F0312NDDC-NFS
47147



F0412NDDC-NFS
47148



F0812NDDC-NFS
47154



Day/Night	no	yes	yes	yes	yes
Megapixel	no	no	no	no	no
Horizontal angle of view	17°	118,6°	93,2°	65,6°	34,5°
Aperture range (F)	F1,4~F360	F1,2~F280	F1,2~F360	F1,2~F360	F1,2~F280
Iris control	DC	DC	DC	DC	DC
Focal length	16mm	2,2mm	2,8mm	4mm	8mm
Mount	CS	CS	CS	CS	CS
MOD	0,5m	0,1m	0,2m	0,2m	0,2m
Filter screw size	not available	not available	not available	not available	not available

Nominal format size:
1/2"

A0314M1
43071



A0414M1
43069



A0614M1
43068



DF6HA-1B
45253



A1214M1
43067



G1214NDDC
47128



A0424SNDIAI
43356



Day/Night	no	no	no	no	no	no	no
Megapixel	no	no	no	yes	no	no	no
Horizontal angle of view	103,6°	79°	57,3°	56,15°	30°	30,4°	80,2°
Aperture range (F)	F1,4~C	F1,4~C	F1,4~C	F1,2~C	F1,4~C	F1,4~F125	F2,4~F360
Iris control	manual	manual	manual	manual	manual	DC	auto iris
Focal length	3,5mm	4,5mm	6mm	6mm	12mm	12mm	3,8mm
Mount	C	C	C	C	C	CS	C
MOD	0,2m	0,2m	0,2m	0,1m	0,3m	0,3m	1,0m
Filter screw size	M30.5x0.5mm	M30.5x0.5mm	M30.5x0.5mm	M27x0.5mm	M30.5x0.5mm	not available	not available

Products in the tables above are sorted by: 1. Iris control, 2. Day/Night, 3. Focal length

Nominal format size:
2/3"HF75SA-1
48016FUJINON
FUJIFILMFE185C057HA-1
48017FUJINON
FUJIFILM22HA
42014

TAMRON

219HB
42001

TAMRON

B0813M6
43011

eneo

HF9HA-1B
48006FUJINON
FUJIFILM25HB
42002

TAMRON



Day/Night		no	no	no	no	no	no
Megapixel	yes	yes	yes	yes	no	yes	yes
Horizontal angle of view	6°	185°	71,6°	59,3°	58,8°	52,1°	40,9°
Aperture range (F)	F1,8~F22	F1,4~F16	F1,8~C	F1,4~F16	F1,3~C	F1,4~F22	F1,8~C
Iris control	manual	manual	manual	manual	manual	manual	manual
Focal length	75mm	1,8mm	6,5mm	8mm	8mm	9mm	12mm
Mount	C	C	C	C	C	C	C
MOD	0,9m	0,1m	1,5m	0,26m	0,2m	0,1m	0,26m
Filter screw size	M49x0.75mm	not available	M35.5x0.5mm	M25.5x0.5mm	M34x0.5mm	M27x0.5mm	M25.5x0.5mm

Nominal format size:
2/3"HF12.5HA-1B
45063FUJINON
FUJIFILMHF12.5SA-1
48008FUJINON
FUJIFILMHF16SA-1
48009FUJINON
FUJIFILM17HF
42004

TAMRON

B1614MV-MP
42003

eneo

B1614M4
43095

eneo

HF16HA-1B
48012FUJINON
FUJIFILM

Day/Night	no	no	no	no	no	no	no
Megapixel	yes	yes	yes	yes	yes	no	yes
Horizontal angle of view	38,6°	38°	30,75°	30,75°	30°	30,3°	30,3°
Aperture range (F)	F1,4~F22	F1,4~F22	F1,4~F22	F1,4~F16	F1,4 ~ F16	F1,4~C	F1,4~F22
Iris control	manual	manual	manual	manual	manual	manual	manual
Focal length	12,5mm	12,5mm	16mm	16mm	16mm	16mm	16mm
Mount	C	C	C	C	C	C	C
MOD	0,1m	0,1m	0,1m	0,29m	0,26m	0,5m	0,1m
Filter screw size	M25.5x0.5mm	M49x0.75mm	M49x0.75mm	M25.5x0.5mm	M25.5x0.5mm	M30.5x0.5mm	M25.5x0.5mm

Nominal format size:
2/3"HF25HA-1B
45064FUJINON
FUJIFILMB2514MV-MP
42005

eneo

20HC
42006

TAMRON

HF25SA-1
48013FUJINON
FUJIFILM35HB
42007

TAMRON

HF35SA-1
48014FUJINON
FUJIFILMHF35HA-1B
48007FUJINON
FUJIFILM

Day/Night	no	no	no	no	no	no	no
Megapixel	yes	yes	yes	yes	yes	yes	yes
Horizontal angle of view	20°	19,6°	20°	19,98°	14,5°	14,33°	14,3°
Aperture range (F)	F1,4~F22	F1,4~F16	F1,6~F16	F1,4~F22	F2,1~F22	F1,4~F22	F1,6~F16
Iris control	manual	manual	manual	manual	manual	manual	manual
Focal length	25mm	25mm	25mm	25mm	35mm	35mm	35mm
Mount	C	C	C	C	C	C	C
MOD	0,15m	0,2m	0,21m	0,1m	0,3m	0,2m	0,25m
Filter screw size	M25.5x0.5mm	M27x0.5mm	M25.5x0.5mm	M49x0.75mm	M25.5x0.5mm	M49x0.75mm	M25.5x0.5mm

Products in the tables above are sorted by: 1. Iris control, 2. Day/Night, 3. Focal length

Nominal format size:
2/3"

HF50SA-1
48015

FUJINON
FUJIFILM



B5028MV-MP
42008

eneo



21HC
42009

TAMRON



HF50HA-1B
45106

FUJINON
FUJIFILM



1A1HB
42011

TAMRON



HF75HA-1B
45112

FUJINON
FUJIFILM



Day/Night	no	no	no	no	no	no
Megapixel	yes	yes	yes	yes	yes	yes
Horizontal angle of view	10,05°	9,6°	10°	10°	6,9°	6,7°
Aperture range (F)	F1,8~F22	F2,8 ~ F22	F2,8 ~ F16	F2,3~F22	F3,9~F32	F2,8 ~ F22
Iris control	manual	manual	manual	manual	manual	manual
Focal length	50mm	50mm	50mm	50mm	75mm	75mm
Mount	C	C	C	C	C	C
MOD	0,4m	0,2m	0,44m	0,5m	0,5m	1,1m
Filter screw size	M49x0.75mm	M27x0.5mm	M25.5x0.5mm	M25.5x0.5mm	M25.5x0.5mm	M30.5x0.5mm

Nominal format size:
1"

C0814MV-MP
42039

eneo



C2514M
43015

eneo



CF25HA-1
45114

FUJINON
FUJIFILM



C5018M
43029

eneo



CF75HA-1
45113

FUJINON
FUJIFILM



Day/Night	no	no	no	no	no
Megapixel	yes	no	yes	no	no
Horizontal angle of view	79,7°	27°	28,43°	14,8°	14,61°
Aperture range (F)	F1,4~F16	F1,4~C		F1,8~C	F1,8~F22
Iris control	manual	manual	manual	manual	manual
Focal length	8mm	25mm	25mm	50mm	75mm
Mount	C	C	C	C	C
MOD	0,1m	0,5m	0,48m	1,0m	0,4m
Filter screw size	M55x0.75mm	M43x0.75mm	M49x0.75mm	M40.5x0.5mm	M49x0.75mm

Nominal format size:
1/1.8"

M118FM08
42032

TAMRON



M118FM16
42033

TAMRON



M118FM25
42034

TAMRON



M118FM50
42035

TAMRON



Day/Night	no	no	no	no
Megapixel	yes	yes	yes	yes
Horizontal angle of view	50,8°	25,9°	16,6°	8,3°
Aperture range (F)	F1,4~F22	F1,4~F22	F1,6~F22	F2,8~F22
Iris control	manual	manual	manual	manual
Focal length	8mm	16mm	25mm	50mm
Mount	C	C	C	C
MOD	0,1m	0,1m	0,1m	0,2m
Filter screw size	M25.5x0.5mm	M25.5x0.5mm	M25.5x0.5mm	M25.5x0.5mm

Products in the tables above are sorted by: 1. Iris control, 2. Day/Night, 3. Focal length

Nominal format size:
1/2.5"

SY125M
47037

Theia
TECHNOLOGIES



SY110M
47038

Theia
TECHNOLOGIES



SY125A
47039

Theia
TECHNOLOGIES



SY110A
47041

Theia
TECHNOLOGIES



Day/Night	no	yes	no	yes
Megapixel	yes	yes	yes	yes
Horizontal angle of view	109°	94°	109°	94°
Aperture range (F)	F1,8~C	F1,8~C	F1,8~C	F1,8~C
Iris control	manual	manual	DC	DC
Focal length	1,3mm	1,67mm	1,3mm	1,67mm
Mount	CS	CS	CS	CS
MOD	0,1m	0,1m	0,1m	0,1m
Filter screw size	not available	not available	not available	not available

! Rated format

Rated format means to configure the lens for a specific sensor format (1/4", 1/3", 1/2", 2/3" or 1"). The rated format must be at least the same or higher than the camera sensor format.

! C or CS mount

A C mount lens can be used on both C mount and CS mount cameras (with a 5mm adapter ring for CS mount). However, a CS mount lens is NOT suitable for a C mount camera.

! Preset zoom lenses

The lenses have an integral potentiometer that tracks zoom and focus movements. This allows a reversible, automatic return to a previously stored zoom and focus position. All of our zoom lenses can be delivered with or without the preset function.

! Why are there IR-corrected lenses?

Standard lenses are designed for visible wavelength range from approx. 450 to 700nm. Two problems are produced if lenses are to be used in daylight and infrared illumination. One is that the Modular Transfer Function (MTF) is considerably reduced above 700nm. The other is that the focus point changes. Lenses with IR correction compensate for this condition to a great extent by pushing the transmission curve maximum into the near-infrared range (700 to 1000nm) and there is a special compensation that practically negates the focus shift.

Products in the tables above are sorted by: 1. Iris control, 2. Day/Night, 3. Focal length

Nominal format size:
1/3"

YV2.2X1.4A-2
45107

FUJINON
FUJIFILM



F02Z02M
43198

eneo



F02Z02M-MP
43258

eneo



13VA2.8-12-1/3"
43267

PELCO



F03Z02M
43128

eneo



F03Z04M
43212

eneo



F03Z2.710M-MP
43261

eneo



Day/Night	no	no	no	no	no	no	no
Megapixel	no	no	yes	no	no	no	yes
Horizontal angle of view	185-94 °	144,2-79,4 °	111,3-47,1 °	24,1-97,4 °	88,7-44,2 °	97,4-24,1 °	92,5-35,4 °
Aperture range (F)	F1,4~C	F1,6~C	F1,2~C	F1,4~F16	F1,2~C	F1,4~C	F1,0~C
Iris control	manual	manual	manual	manual	manual	manual	manual
Focal length	1,4-3,1 mm	1,8-3,6 mm	2,4-6 mm	2,8-12 mm	2,8-6 mm	2,8-12 mm	3-8 mm
Mount	CS	CS	CS	CS	CS	CS	CS
MOD	0,2m	0,2m	0,3m	0,3m	0,3m	0,3m	1,0m
Filter screw size	not available	not available	not available	not available	not available	not available	not available

Nominal format size:
1/3"

F03Z2.710M
43219

eneo



F05Z10M
43195

eneo



F05Z08M
43158

eneo



F05Z10M-MP
43263

eneo



F05Z15M
43166

eneo



13VD3-8
47266

PELCO



F02Z02NDDC
43199

eneo



Day/Night	no	no	no	no	no	yes	no
Megapixel	no	no	no	yes	no	no	no
Horizontal angle of view	91-36 °	53,6-5,6 °	53,6-6,5 °	53,8-5,5 °	50,7-3,1 °	83,7-30,1 °	144,2-79,4 °
Aperture range (F)	F1,0~C	F1,4~C	F1,6~C	F1,4~C	F1,8~C	F1,0~F360	F1,6 ~ F360
Iris control	manual	manual	manual	manual	manual	manual	DC
Focal length	3-8 mm	5-50 mm	5-40 mm	5-50 mm	5,5-82,5 mm	4,5-12,5 mm	1,8-3,6 mm
Mount	CS	CS	CS	CS	CS	CS	CS
MOD	0,2m	1,0m	0,1m	1m	0,2m	0,2m	0,2m
Filter screw size	not available	not available	M40.5x0.5mm	not available	M46x0.75mm	not available	M30.5x0.5mm

Nominal format size:
1/3"

F02Z02NDDC-MP
43259

eneo



F03Z02NDDC
43129

eneo



YV4.3X2.8SA-SA2
45256

FUJINON
FUJIFILM



YV2.8X2.8LASA2L
45254

FUJINON
FUJIFILM



F03Z04NDDC
43213

eneo



F03Z2.710NDDCMP
43262

eneo



F03Z2.710NDDC
43222

eneo



Day/Night	no	no	no	no	no	no	no
Megapixel	yes	no	yes	no	no	yes	no
Horizontal angle of view	111,3-47,1 °	88,7-44,2 °	23,21-100,02 °	99,9-35,2 °	97,4-24,1 °	92,5-35,4 °	91-36 °
Aperture range (F)	F1,2~F360	F1,2~F64	F1,4~F360	F0,95~T360	F1,4~F270	F1,0~F250	F1,0~F360
Iris control	DC	DC	DC	DC	DC	DC	DC
Focal length	2,4-6 mm	2,8-6 mm	2,8-12 mm	2,8-8 mm	2,8-12 mm	3-8 mm	3-8 mm
Mount	CS	CS	CS	CS	CS	CS	CS
MOD	0,3m	0,3m	0,3m	0,3m	0,3m	1m	0,2m
Filter screw size	not available	not available	not available	not available	not available	not available	not available

Products in the tables above are sorted by: 1. Iris control, 2. Day/Night, 3. Focal length

Nominal format size: 1/3"

	F04Z0310NDDC 43214	F05Z20NDDC 43224	F05Z10NDDC 43196	F05Z1013NDDC 43242	F05Z08NDDC 43159	F05Z10NDDC-MP 43264	F20Z05NDDC 43247
							
Day/Night	no	no	no	no	no	no	no
Megapixel	no	no	no	no	no	yes	no
Horizontal angle of view	81,6-27,2 °	52,7-2,8 °	53,6-5,6 °	53,8-4,2 °	53,6-6,5 °	53,8-5,5 °	14-2,8 °
Aperture range (F)	F1,0~F260	F1,6 ~ F250	F1,4 ~ F260	F1,3/F1,9~F160	F1,6~F125	F1,4~F260	F1,6~F270
Iris control	DC	DC	DC	DC	DC	DC	DC
Focal length	3,5-10,5 mm	5-100 mm	5-50 mm	5-50 mm	5-40 mm	5-50 mm	20-100 mm
Mount	CS	CS	CS	CS	CS	CS	CS
MOD	0,3m	0,3m	1,0m	0,3m	0,1m	1m	1,0m
Filter screw size	not available	M46x0.75mm	not available	not available	M40.5x0.5mm	not available	not available

Nominal format size: 1/3"

	YV5X2.7R4B-SA2L 45246	SLA-2810D 120027	F03Z04NDDC-NFS 43237	SLA-2985D 120028	F03Z2.710DC-NFS 43238	SLA-3580DN 120029	YV10XSR4A-SA2L 45251
							
Day/Night	yes	yes	yes	yes	yes	yes	yes
Megapixel	no	no	no	no	no	no	no
Horizontal angle of view	99,7-20,6 °	93,7-28,3 °	97,4-26,2 °	96,2-33,4 °	90,8-36,2 °	83,5-35,6 °	51,3-5,5 °
Aperture range (F)	F1,3~F360	F1,4~F360	F1,4 ~ F260	F1,2~F300	F1,0~F240	F1,4~F360	F1,6~F360
Iris control	DC	DC	DC	DC	DC	DC	DC
Focal length	2,7-13,5 mm	2,8-10 mm	2,8-11 mm	2,9-8,5 mm	3-8 mm	3,5-8 mm	5-50 mm
Mount	CS	CS	CS	CS	CS	CS	CS
MOD	0,3m		0,3m		0,2m		0,3m
Filter screw size	not available	not available	not available	not available	not available	not available	not available

Nominal format size: 1/3"

	SLA-550D 120030	F07Z07NDDC-NFS 43249	YV2.8X2.8SA-SA2 45255	F04Z02NDAI 43164	F05Z10NDAI 43197	YV3.3X15SA-SA2 45257
						
Day/Night	yes	yes	no	no	no	no
Megapixel	no	no	yes	no	no	yes
Horizontal angle of view	51,7-5,5 °	36,6-5,64 °	35,03-100,00 °	77,6-35,4 °	53,4-5,3 °	5,35-18,08 °
Aperture range (F)	F1,4~F360	F1,3~F240	F1,2~T360	F1,4~F130	F1,4~F64	F1,5~F400
Iris control	DC	DC	auto iris	auto iris	auto iris	auto iris
Focal length	5-50 mm	7,5-50 mm	2,8-8 mm	3,5-8 mm	5-50 mm	15-50 mm
Mount	CS	CS	CS	CS	CS	CS
MOD		0,4m	0,3m	0,4m	1,0m	0,8m
Filter screw size	not available	not available	not available	not available	not available	not available

Products in the tables above are sorted by: 1. Iris control, 2. Day/Night, 3. Focal length

Nominal format size: 1/2"

G04Z02M
43131



A04Z12M-MP
43271



DV5X3.6R4B-2
97021



A04Z12M-NFS
43268



G04Z03M-NFS
43252



A10Z04M-NFS
43269



A04Z02NDDC-MP
43254



Day/Night	no	no	yes	yes	yes	yes	no
Megapixel	no	yes	no	no	no	no	yes
Horizontal angle of view	94,8-37,8 °	100,5-33,4 °	20-96 °	93,7-68,9 °	83,7-30,1 °	37,5-9,2 °	90,4-47 °
Aperture range (F)	F1,8~C		F1,8~T360 (C)	F1,2~C	F1,2~F16 (C)	F1,4~C	F1,4~F260
Iris control	manual	manual	manual	manual	manual	manual	DC
Focal length	4-10 mm	4-12 mm	3,6-18 mm	4-12 mm	4,5-12,5 mm	10-40 mm	4-8 mm
Mount	CS	C	CS	C	CS	C	C
MOD	0,3m	0,3m	0,3m	0,3m	0,3m	0,5m	0,5m
Filter screw size	not available	not available	not available	not available	not available	not available	not available

Nominal format size: 1/2"

A04Z12NDDC-MP
43272



G04Z02NDDC
43133



A04Z12NDDC-NFS
43248



G04Z03NDDC-NFS
43251



A09Z10NDDC-NFS
43266



A10Z04NDDC-NFS
43239



Day/Night	no	no	yes	yes	yes	yes
Megapixel	yes	no	no	no	no	no
Horizontal angle of view	100,5-33,4 °	94,8-37,8 °	93,7-31,2 °	83,7-30,1 °	41,1-4,2 °	37,5-9,2 °
Aperture range (F)	F1,4 ~ F290	F1,8~F125	F1,4~F250	F1,2 ~ F260	F1,8~F360	F1,4~F250
Iris control	DC	DC	DC	DC	DC	DC
Focal length	4-12 mm	4-10 mm	4-12 mm	4,5-12,5 mm	9-90 mm	10-40 mm
Mount	C	CS	C	CS	C	C
MOD	0,3m	0,3m	0,3m	0,3m	0,3m	0,5m
Filter screw size	not available	not available	not available	not available	M43x0.75mm	not available

Nominal format size: 2/3"

B45Z03MV-MP
42012



Day/Night	no
Megapixel	yes
Horizontal angle of view	11,8-2,78 °
Aperture range (F)	F4,5~C
Iris control	manual
Focal length	45-160 mm
Mount	C
MOD	0,0899m
Filter screw size	M34x0,5mm

! Varifocal lens

A varifocal lens allows the focal length to be set approximately during project planning. The precise focal length is set on site. This allows, for instance, one lens type to be used for all the cameras in a system.

Nominal format size:
1/3"

E08Z10MA
42091

F05Z30NDDCP0
40232

F05Z30NDDC
40231

Y12X6A-YE2
45225

F06Z10NDDC-1
41114

F06Z08NDDC
47419

Y12X6A-SE2
45222


Day/Night	no	no	no	no	no	no	no
Megapixel	no	no	no	no	no	no	no
Horizontal angle of view	31,3°	47,6°	47,6°	43,6°	43,4°	44,3°	43,6°
Aperture range (F)	F2,5~C	F1,8~F360	F1,8~F360	F1,5~F400	F1,4~F190	F1,2~F250	F1,5~F400
Iris control	manual	DC	DC	DC	DC	DC	DC
Focal length	8,5-90 mm	5,5-165 mm	5,5-165 mm	6-72 mm	6-60 mm	6-48 mm	6-72 mm
Mount	C	CS	CS	CS	CS	CS	CS
Nominal format size	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"
MOD	0,15m	1,8m	1,8m	1,3m	1,3m	1,0m	1,3m
Filter screw size	M48x0,75mm	M72x0.75mm	M72x0.75mm	M55x0.75mm	M52x0.75mm	M49x0.75mm	M55x0.75mm

Nominal format size:
1/3"

F06Z10NDDCP0
40239


Day/Night	no
Megapixel	no
Horizontal angle of view	44,2°
Aperture range (F)	F1,6~F360
Iris control	DC
Focal length	6-60 mm
Mount	CS
Nominal format size	1/3"
MOD	1,2m
Filter screw size	M55x0.75mm

! Distortion

Distortion is described as being the variance between the geometric figure of the object and the depiction on the light-sensitive CCD sensor. If objects are reproduced distorted, as a pincushion or barrel-shape for instance, this is called a distortion in the optical field. Distortion is given as a percentage deviation of the distorted pixel from the geometrically correct location. Our lenses for industrial image processing minimise this effect.

! Lens adjustment

It is necessary to adjust the camera flange focal distance to achieve optimum results when you use a zoom lens. You can find further information on this in the camera's user manual.

Nominal format size: 1/2"

A08Z15NDDCP0
40226



A08Z08NDDC
47422



A08Z08NDDCP0
47423



A08Z15NDDC
40225



A08Z06NDDC
40228



A08Z06NDDCP0
40229



D32X10R4D-YE1
45258



Day/Night	no	no	no	no	no	no	yes
Megapixel	no	no	no	no	no	no	yes
Horizontal angle of view	43,6°	44°	44°	43,6°	40,8°	40,8°	35,48°
Aperture range (F)	F1,8~F360	F1,6~F250	F1,6 ~ F250	F1,8~F360	F1,2~F360	F1,2~F360	F2,5~F1500
Iris control	DC	DC	DC	DC	DC	DC	DC
Focal length	8-120 mm	8-64 mm	8-64 mm	8-120 mm	8,5-51 mm	8,5-51 mm	10-320 mm
Mount	C	C	C	C	C	C	C
Nominal format size	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
MOD	1,2m	1,0m	1,0m	1,2m	1,0m	1,0m	3m
Filter screw size	M55x0.75mm	M49x0.75mm	M49x0.75mm	M55x0.75mm	M46x0.75mm	M46x0.75mm	M82x0.75mm

Nominal format size: 1/2"

A10Z30NDAI
40235



A10Z30NDAIPO
40236



Day/Night	no	no
Megapixel	no	no
Horizontal angle of view	35,5°	35,5°
Aperture range (F)	F1,5~F560	F1,5~F560
Iris control	auto iris	auto iris
Focal length	10-300 mm	10-300 mm
Mount	C	C
Nominal format size	1/2"	1/2"
MOD	2,2m	2,2m
Filter screw size	M100x1mm	M100x1mm

Nominal format size: 2/3"

B12Z06MG-1K
40860



B18Z06MA1
47144



Day/Night	no	no
Megapixel	no	yes
Horizontal angle of view	38,7°	34°
Aperture range (F)	F1,6~C	F2,5~C
Iris control	manual	manual
Focal length	12,5-75 mm	18-108 mm
Mount	C	C
Nominal format size	2/3"	2/3"
MOD	0,03m	0,1m
Filter screw size	M49x0.75mm	M52x0.75mm

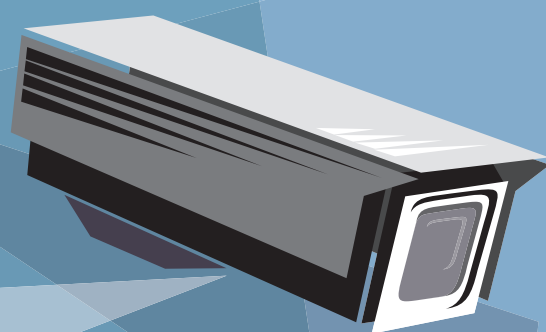
! Zoom lenses

Zoom lenses have a variable focal length, which can be adjusted manually or by a motor. The first value gives the minimum focal length and the second one the maximum focal length. As compared to varifocal lenses, the sharpness remains constant over the whole zoom range once the lens has been correctly adjusted.

<div>N-PLUG/L MINI 43221</div> <div></div> <div></div>	<div>2X-EX/C 41231</div> <div></div> <div></div>	<div>2X-EX/CS 41232</div> <div></div> <div></div>	<div>C/CS RING-AL 43106</div> <div></div> <div></div>	<div>EXT-TUB 42160</div> <div></div> <div></div>	<div>GFG/50 88154</div> <div></div> <div></div>	<div>LD-16N3 41715</div> <div></div> <div></div>
Plugs / Sockets / Tools 4-pin AI/DC Mount Plug	Product Addition Focal Extender 2x C Mount	Product Addition Focus Extender 2x, CS Mount	Product Addition Adapter Ring, C/CS Mount, Aluminium anodized	Product Addition Set of Macro Tubes, 0.5/1/5/10/20/40mm Length, C/CS Mount	Product Addition Athermal Filter Glas, 50x2.5mm	Product Addition Lens Dummy, C Mount

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

[illegible]



HOUSINGS

The IP Code classifies the degrees of protection provided against the intrusion of solid objects, dust, and water in electrical enclosures

The IP Code (International Protection Rating, sometimes also interpreted as Ingress Protection Rating) consists of the letters IP followed by two digits. It classifies the degrees of protection provided against the intrusion of solid objects, dust, accidental

contact, and water in electrical enclosures. For outdoor use we recommend a rating of at least IP65: dust tight and protection against water jets.

The first digit indicates the level of protection that the enclosure provides against access to hazardous parts and the ingress of solid foreign objects.

Level	Object size protected against	Effective against
0	-	No protection against contact and ingress objects
1	>50 mm	Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part
2	>12.5 mm	Fingers or similar objects
3	>2.5 mm	Tools, thick wires, etc.
4	>1 mm	Most wires, screws, etc.
5	dust protected	Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity; complete protection against contact
6	dust tight	No ingress of dust; complete protection against contact

Protection of the equipment inside the enclosure against harmful ingress of water (Second digit)

Level	Protected against
0	not protected
1	dripping water
2	dripping water when tilted up to 15°
3	spraying water
4	splashing water
5	water jets
6	powerful water jets
7	immersion up to 1 m
8	immersion beyond 1 m

Housing: Indoor

VHM/DP-ECL210
79583VHU/DP-165
79481VHU/DP-260
79482VTL-D/N2
79485VTL-DPW
79489

Colour	RAL7032	RAL9016	RAL9016	silver grey	RAL9002
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66	IP54	IP54	IP66	IP66
Clear Shield	yes	no	no	no	no
Integrated wall mount	no	yes	yes	no	no
Window heater	no	no	no	optional	optional
Blower	no	no	no	optional	optional
Wiper	no	no	no	no	no
Sunshield	no	no	no	no	no
Usable Length	210 mm	165 mm	260 mm	300 mm	300 mm
Hidden cable management	no	yes	yes	no	no
Comments				Ceiling Mount Bracket Included	Wall bracket included





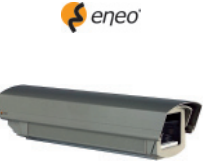
Housing: Indoor

EH4718
73597AVTPSCO0A000B
130008AVTPSK0A000B
130009AVTPSK0A101B
130010



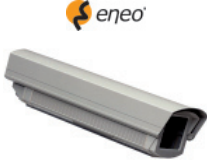


Colour	light grey	RAL9002	RAL9002	RAL9002
Housing material	Aluminium	Sheet metal	Sheet metal	Sheet metal
Protection rating	IP32	n/a	n/a	n/a
Clear Shield	no	no	no	no
Integrated wall mount	no	no	no	no
Window heater	no	optional	optional	optional
Blower	no	no	no	no
Wiper	no	no	no	no
Sunshield	yes	no	no	no
Usable Length	430 mm	220 mm	250 mm	250 mm
Hidden cable management	no	no	no	no
Comments				

HOUSINGS for Boxed Cameras

Housing: Outdoor

	EHL-W/ECLKA 79653	EHL-W/ECLKA-NW 79658	EHL-W/ECLKB 79654	ESH-10 79628	VHM/ECLKA 79404
					
Colour	RAL9002	RAL9002	RAL9002	metal look, matt etched	RAL7032
Housing material	Aluminium	Aluminium	Aluminium	Stainless steel	Aluminium
Protection rating	IP66	IP66	IP66	IP68	IP66
Clear Shield	no	no	no	no	yes
Integrated wall mount	no	no	no	no	no
Window heater	yes, 100~240V/40W (PTC)	yes, 100~240V/40W (PTC)	yes, 12~24V/20watts (PTC)	optional	yes, 110~265VAC/9watts (PTC)
Blower	optional	optional	optional	no	no
Wiper	no	no	no	no	no
Sunshield	yes	yes	yes	no	yes
Usable Length	252 mm	252 mm	252 mm	342 mm	330 mm
Hidden cable management	no	no	no	no	no
Comments		Prepared for the installation of network cameras			

Housing: Outdoor

	VHM/ECLKA-210 79543	VHM/ECLKA-KIT1 79642	VHM/ECLKB 79428	VHM/ECLKB-210 79555	VHM/ECLKB-KIT1 79643
					
Colour	RAL7032	RAL7032	RAL7032	RAL7032	RAL7032
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66	IP66	IP66	IP66	IP66
Clear Shield	yes	yes	yes	yes	yes
Integrated wall mount	no	no	no	no	no
Window heater	yes, 110~265VAC/9watts (PTC)	yes, 110~265VAC/9watts (PTC)	yes, 12~30V/9watts (PTC)	yes, 12~30V/9watts (PTC)	yes, 12~30V/9watts (PTC)
Blower	no	no	no	no	no
Wiper	no	no	no	no	no
Sunshield	yes	yes	yes	yes	yes
Usable Length	210 mm	330 mm	330 mm	210 mm	330 mm mm
Hidden cable management	no	yes	no	no	yes
Comments		With wall bracket and plug-in shield			With wall bracket and plug-in shield

! Heating elements

PTC-based heating elements are installed in the VHL, VHM and VHB series of housings for keeping the front screen clear. However, the power consumption peaks at approx. 10 to 15 times higher at switch-on. This means the built-in power supply units listed in the accessories cannot be installed for the 12-30V low-voltage heaters. The Heater power consumptions are listed in the datasheets for individual housing models.

Housing: Outdoor

VHM/STLA
79405VHM/STLB
79429VHM/ZLA
79607VHM/ZLB
79608VHM/ZLKCB
79619

Colour	RAL7032	RAL7032	RAL7032	RAL7032	RAL7032
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66	IP66	IP66	IP66	IP66
Clear Shield	yes	yes	yes	yes	yes
Integrated wall mount	no	no	no	no	no
Window heater	yes, 110~265VAC/9watts (PTC)	yes, 12~30V/9watts (PTC)	yes, 110~265VAC/9watts (PTC)	yes, 24V (12V), 6watts	yes, 24V (12V), 6watts
Blower	no	no	no	no	no
Wiper	no	no	no	no	no
Sunshield	yes	yes	yes	yes	yes
Usable Length	330 mm	330 mm	330 mm	330 mm	330 mm
Hidden cable management	yes	no	no	no	no
Comments			30 pin central plug connection	30 pin central plug connection	30 pin central plug connection

Housing: Outdoor

VHU-165/12V
79466VHU-165/24V
79549VHU-260/12V
79467VHU-260/230V
79493VHU-260/24V
79552

Colour	RAL9016	RAL9016	RAL9016	RAL9016	RAL9016
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66/67	IP66/67	IP66/67	IP66/67	IP66/67
Clear Shield	no	no	no	no	no
Integrated wall mount	yes	yes	yes	yes	yes
Window heater	yes, 12V / 7watts	yes, 24V / 7watts	yes, 12V / 7watts	yes, 230V	yes, 24V / 7watts
Blower	no	no	no	no	no
Wiper	no	no	no	no	no
Sunshield	yes	yes	yes	yes	yes
Usable Length	165 mm	165 mm	260 mm	260 mm	260 mm
Hidden cable management	yes	yes	yes	yes	yes
Comments					

! eneo VHM housings

Because of the hinged housing body VHM housings are very easy to install and to maintain. In addition they feature:

- 4 levels of camera height adjustment
- insulated camera mounting
- external central plug (optional)
- viewing screen with „Clear-Shield“ technology
- integral carrier handle
- wide range of accessories

! Clear Shield

All VHM series housings are fitted with Clear Shield technology at no extra cost. This surface protection considerably reduces cleaning requirements and prevents corrosion. Clear Shield is UV resistant, colour neutral and fully light transmissive (100% light transmission). Of course the Clear Shield surface protection is non-flammable.

HOUSINGS for Boxed Cameras

Housing: Outdoor

VTL-W/N2
79484



VTL-WWA
79488



VTL-WWD
79644



EH1512-3MTS
97491



EH3512-2
97014



Colour	silver grey	RAL9002	RAL9002	grey	light grey
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66	IP66	IP66	IP66	IP66
Clear Shield	no	no	no	no	no
Integrated wall mount	no	yes	yes	yes	no
Window heater	yes, 100~240V/40W (PTC)	yes, 100~240V/40W (PTC)	yes, 12~24V/20watts (PTC)	yes, 230V / 12W	yes, 24V / 20watts
Blower	optional	optional	optional	yes	yes
Wiper	no	no	no	no	no
Sunshield	yes	yes	yes	yes	no
Usable Length	300 mm	300 mm	300 mm	228 mm	228 mm
Hidden cable management	no	yes	yes	yes	optional
Comments	Wall bracket not included	Wall bracket included	Wall bracket included		

Housing: Outdoor

EH3512-2/FMT
73957



EH4718-3
73606



EH5723-3
73866



EU3512-3X
73871



EXHC000
130046



Colour	light grey	light grey	light grey	light grey	RAL7032
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66	IP32	IP32	IP66	IP66
Clear Shield	no	no	no	no	no
Integrated wall mount	yes	no	no	yes	no
Window heater	yes, 24V / 20watts	yes, 230V / 63watts	yes, 230V / 85watts	yes, 230V / 43W	yes, 24V / 20watts
Blower	yes	yes	yes	yes	no
Wiper	no	no	no	no	no
Sunshield	no	yes	yes	yes	optional
Usable Length	228 mm	330 mm	393 mm	228 mm	280 mm
Hidden cable management	yes	no	no	no	yes
Comments	Wall bracket included			Incl. wallbracket EM1450	Explosionproof housing

Index of Protection

„IP“ stands for „International Protection“, an internationally specified standard for protection against contact and foreign particles (1st digit) and water (2nd digit). Accordingly, „IP67“ indicates „dust tight and complete protection against contact“ and „protection when immersed in water for 30 min.“.

Housing: Outdoor

HEB26K1A000B
130082HEB32K1A000B
130086HEG37K1A000
130093HEG47K1A000
130104HEK26K1Y000B
130115

Colour	RAL9002	RAL9002	RAL9002	RAL9002	RAL7030
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Plastic
Protection rating	IP66/67	IP66/67	IP66/67	IP66/67	IP66
Clear Shield	no	no	no	no	no
Integrated wall mount	no	no	no	no	no
Window heater	yes, 115/230V / 40W	yes, 115/230V / 40W	yes, 115/230V / 40W	yes, 115/230V / 40W	yes, 115/230V / 40W
Blower	no	no	no	no	no
Wiper	no	no	optional	optional	no
Sunshield	yes	yes	yes	yes	yes
Usable Length	190 mm	250 mm	273 mm	363 mm	190 mm
Hidden cable management	optional	optional	optional	optional	optional
Comments					

Housing: Outdoor

HEK30D0Y000B
130117HEK30K1Y000B
130119HEK30K2Y000B
130120HOV32K1A000
130169HOV32K1A018
97251

Colour	RAL7030	RAL7030	RAL7030	RAL9002	RAL9002
Housing material	Plastic	Plastic	Plastic	Aluminium	Aluminium
Protection rating	IP66	IP66	IP66	IP66/67	IP44
Clear Shield	no	no	no	no	no
Integrated wall mount	no	no	no	no	no
Window heater	no	yes, 115/230V / 40W	yes, 12/24V / 20W	yes, 115/230V / 40W	yes, 115/230V / 40W
Blower	no	no	no	no	yes
Wiper	no	no	no	no	no
Sunshield	optional	yes	yes	yes	yes
Usable Length	300 mm	235 mm	235 mm	250 mm	250 mm
Hidden cable management	optional	optional	optional	optional	optional
Comments					

HOUSINGS for Boxed Cameras

Housing: Outdoor

HOV32K1A100
130171



HOV32K2A000
130172



HOV32K2A016
130173



HOV32K2A017
130174



HOV32K2A200
130177



Colour	RAL9002	RAL9002	RAL9002	RAL9002	RAL9002
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66/67	IP66/67	IP44	IP44	IP66/67
Clear Shield	no	no	no	no	no
Integrated wall mount	no	no	no	no	no
Window heater	yes, 115/230V / 40W	yes, 12/24V / 20W	yes, 12/24V / 20W	yes, 12/24V / 20W	yes, 12/24V / 20W
Blower	no	no	yes	yes	no
Wiper	yes	no	no	no	yes
Sunshield	yes	yes	yes	yes	yes
Usable Length	250 mm	250 mm	250 mm	250 mm	250 mm
Hidden cable management	optional	optional	optional	optional	optional
Comments					

Housing: Outdoor

HOV32K2A600
130178



HOV32K2A616
130179



HPV36D0A000B
130180



HPV36K0A000B
130181



HPV36K1A000B
130182



Colour	RAL9002	RAL9002	RAL9002	RAL9002	RAL9002
Housing material	Aluminium	Aluminium	Plastic	Plastic	Plastic
Protection rating	IP66/67	IP44	IP66/67	IP66/67	IP66/67
Clear Shield	no	no	no	no	no
Integrated wall mount	no	no	no	no	no
Window heater	yes, 12V / 10W	yes, 12V / 10W	optional	optional	yes, 115/230V / 40W
Blower	no	yes	no	no	no
Wiper	no	no	no	no	no
Sunshield	yes	yes	optional	yes	yes
Usable Length	250 mm	250 mm	210 mm	210 mm	210 mm
Hidden cable management	optional	optional	optional	optional	optional
Comments	Preinstalled HiPoE Splitter, 12V, 24W	Preinstalled HiPoE Splitter, 12V, 24W			

Housing: Outdoor

HPV36K2A000B
130183HPV42D0A000
130184HPV42K0A000
130185HPV42K0A016
130186HPV42K0A017
130187

Colour	RAL9002	RAL9002	RAL9002	RAL9002	RAL9002
Housing material	Plastic	Plastic	Plastic	Plastic	Plastic
Protection rating	IP66/67	IP66/67	IP66/67	IP44	IP44
Clear Shield	no	no	no	no	no
Integrated wall mount	no	no	no	no	no
Window heater	yes, 12/24V / 20W	no	no	no	no
Blower	no	no	no	yes	yes
Wiper	no	no	no	no	no
Sunshield	yes	no	yes	yes	yes
Usable Length	210 mm	270 mm	270 mm	270 mm	270 mm
Hidden cable management	optional	optional	optional	optional	optional
Comments					

Housing: Outdoor

HPV42K1A000
130188HPV42K2A000
130189HPV42K2A015
130190HPV42K2A016
130191HPV42K2A017
130192

Colour	RAL9002	RAL9002	RAL9002	RAL9002	RAL9002
Housing material	Plastic	Plastic	Plastic	Plastic	Plastic
Protection rating	IP66/67	IP66/67	IP66/67	IP44	IP44
Clear Shield	no	no	no	no	no
Integrated wall mount	no	no	no	no	no
Window heater	yes, 115/230V / 40W	yes, 12/24V / 20W	yes, 24V / 24W	yes, 12/24V / 20W	yes, 12/24V / 20W
Blower	no	no	no	yes	yes
Wiper	no	no	no	no	no
Sunshield	yes	yes	yes	yes	yes
Usable Length	270 mm	270 mm	270 mm	270 mm	270 mm
Hidden cable management	optional	optional	optional	optional	optional
Comments					

HOUSINGS | for Boxed Cameras

Housing: Outdoor

HPV42K2A600
130193



HPV42K2A616
130194



NXM1K1000B
130239



NXM2K1000B
130241



Colour	RAL9002	RAL9002	silver grey	silver grey
Housing material	Plastic	Plastic	Stainless steel	Stainless steel
Protection rating	IP66/67	IP44	IP66/68	IP66/68
Clear Shield	no	no	no	no
Integrated wall mount	no	no	no	no
Window heater	yes, 12V / 10W	yes, 12V / 10W	yes, 115/230V / 40W	yes, 115/230V / 40W
Blower	no	yes	no	no
Wiper	no	no	optional	optional
Sunshield	yes	yes	yes	yes
Usable Length	270 mm	270 mm	245 mm	245 mm
Hidden cable management	optional	optional	no	no
Comments	Preinstalled HiPoE Splitter, 12V, 24W	Preinstalled HiPoE Splitter, 12V, 24W		

HOUSINGS | for Dome Cameras

Housing: Outdoor

DBH18K0F022
130019



DBH18K0F023
130020



DBH18K0F028
130021











DBH18K0F029
130022



























Housing	Outdoor	Outdoor	Outdoor	Outdoor
Housing material	Aluminium	Aluminium	Aluminium	Aluminium
Colour (housing)	RAL9002	RAL9002	RAL9002	RAL9002
Colour (bubble)	tinted	tinted	clear	clear
Heater	yes	yes	yes	yes
Mounting	wall mount	wall mount	wall mount	wall mount
Protection rating	IP66	n/a	IP66	n/a
Vandalism resistant	optional	optional	optional	optional

Products in the tables above are sorted by: 1. Brand, 2. Type

	EMG-1 71497	WDDG-1 71493	WDDG-2 71494	WDG-1 71492
	 	 	 	 
Colour (housing)	Pantone Cool Gray 1C	Pantone Cool Gray 1C	Pantone Cool Gray 1C	Pantone Cool Gray 1C
Colour (bubble)	-	clear	clear	-
Housing	Indoor	Indoor	Outdoor	Indoor
Housing material	Aluminium	Aluminium	Aluminium	Aluminium
Heater	no	no	optional	no
Mounting	corner mount	wall mount	wall mount	wall mount
Protection rating	IP65	IP65	IP65	IP65
Vandalism resistant	yes	yes	yes	yes

Products in the tables above are sorted by: 1. Brand, 2. Type

MCAB-1 87404 	VHM/ZB-VPT-055 79672 	VHU-AKS/12-24V 79499 	CMA-11 73137 	CMA-2 79613 	DH-5 73094 	DNK 79350 
Cables	Cables	Cables	Mounting	Mounting	Mounting	Mounting
Camera/PT Head Connecting Cable f. Video Power, RS-Control or Network, 1 Metre	Connection Cable 0.55m, VHM/ZLB to VPT-501, VPT-601	Connecting Cable Set 12VDC/24VAC/Video for Candid Housing	Corner Mount Adapter for Wall Brackets WD-2N1 and VDW-1/WM, RAL7032	Corner Mount Adapter for Wall Brackets WD-5, WD-7, VTL-WW, VHK-WW, RAL9002	Ceiling Bracket with adjustable Housing Mount Angle, RAL7032	Swivel Head, black
ESH/CB 79656 	ESH/PM 79655 	ESH/WB 79629 	GK-2/N1 73136 	MK-5 73953 	PM-41 73146 	PM-51 73138 
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Ceiling Mount Bracket with Swivel Head for ESH Housing Series, AISI 316	Pole Mount Kit for ESH/WB, AISI 316, ESH Housing Series	Wall Mount with Swivel Head for ESH Housing Series, AISI 316	Swivel Head for WD-2N1, MK-1N1 and MK-21 RAL7032	Pole Mount Bracket & Swivel Head for Weatherproof Housings, RAL7032	Pole Mount Adapter for Housing Series Candid, RAL7035	Pole Mount Kit for VDW-1, WD-15/16 Serie RAL7032
PM-6D 79593 	PM-6S 79592 	WD-14/MKL 73082 	WD-15/MK 73013 	WD-16/MK 73064 	WD-2N/MK1 73151 	WD-5/MK 79750 
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Pole Mount Adapter for 2 Wall Mounts, (50-140mm Pole), RAL9002	Pole Mount Adapter for 1 Wall Mount, (50-140mm Pole), RAL9002	Wall Mount with Swivel Head for Weatherproof Housings, RAL7032	Wall Mount with Swivel Head for Weatherproof Housings, black	Wall Mount with Swivel Head for VHM Weatherproof Housings, RAL7032	Wall Bracket with Swivel Head, RAL 7032	Wall Mount with Swivel Head for weatherproof Housing, black
WD-7/MK 79790 	WD-7/MK RAL7032 79792 	ESH/NE12VDC 79635 	ESH/NE24VAC 79636 	NE-112 79364 	NE-112/2 79423 	NE-112/AC24V 79491 
Mounting	Mounting	Power Supplies	Power Supplies	Power Supplies	Power Supplies	Power Supplies
Wall Mount with Swivel Head for VTL Series Outdoor Housings, black	Wall Mount with Swivel Head for Outdoor Housings, RAL7032	Power Supply Unit 230V0/12VDC (400mA) for ESH Housing Series	Power Supply Unit 230V/24VAC (400mA) for ESH Housing Series	Power Supply Unit 230VAC/12VDC (600mA) for VHM Housing, Regulated	Power Supply Unit 230VAC/12VDC (600mA), Regulated, 24VAC (1000mA) f. VHM Housing	Power Supply Unit 230VAC/24VAC (600mA) for VHM Housing

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type





























NE-115 79415  	NE-119/24V 79568  	NE-129/12V 79661  	NE-130/12V 79662  	NE-131/12V 79663  	VHU-NT1 79494  	VHU-NT2 79557  
Power Supplies Power Supply Unit 230V/12VDC-400mA for Housings VTL-W/D-N2	Power Supplies Power Supply Unit 230V/24VAC (400mA) for EHL-W/ECLKA Housing Series	Power Supplies Power Supply Unit 230V/12VDC-1.25A for Housings VTL-W/D-N2	Power Supplies Power Supply Unit 230V/12VDC-1.25A for Housings VTL-WWA	Power Supplies Power Supply Unit 230V/12VDC-1.25A for Housings EHL-W/ECLKA and EHL-W/ECLKA-NW	Power Supplies Power Supply Unit for Candid Housing Series 230VAC/12VDC- 14VAC(Camera/Heater)	Power Supplies Power Supply unit for Candid Housing Series 230VAC/2x 24VAC (Camera/Heater)
EHL-BLS/12VDC 79665  	EHL-BLS/230V 79664  	ESH-20/AB 79666  	ESH/AIR FILTER 79632  	ESH/HT100-240 79634  	ESH/HT12-24 79633  	ESH/SH 79631  
Product Addition Blower Kit 230V/50Hz with Thermostat for EHL-W/ECLKB Housing, 12VDC	Product Addition Blower Kit 230V/50Hz with Thermostat for EHL-W/ECLKA Housing, 230VAC	Product Addition Air Barrier Flange for Stainless Steel Housing ESH-20	Product Addition Air Filter for ESH-20 Stainless Steel Housing	Product Addition PTC Window Heater 100-240VAC for ESH-10 Housing Series w. Thermostat	Product Addition PTC Window Heater 12-24V for ESH-10 Housing Series w. Thermostat	Product Addition Sunshield for ESH- 10 Stainless Steel Housing, AISI 316L
PTB-1 72501  	SU-6 79604  	VHM/H220 71301  	VHM/H24 71601  	VHM/H24WID 71602  	VHM/KV1 79609  	VHM/KV2 79627  
Product Addition Protocol Translator Board, 12VDC for Build- in VHM/ST Housing Series	Product Addition Camera Height Adjust- ment Kit for VHk and EHL Housings (3 Diff. Slides and Screws)	Product Addition VHM Window Heater 110-265VAC (PTC Element)	Product Addition VHM Window Heater 12-30V (PTC Element)	Product Addition VHM Resistor Low Voltage Heater 24V/6W, interchangeable to 12V	Product Addition Cable Connection Board with Thermostat for VHM/Z Housing	Product Addition Cable Connection Board with Thermostat for VHM Housing, „EC“ Series
VHM/KVS2 79612  	VHM/PC-1 79623  	VHM/TH2 79281  	VHM/Z KIT 79615  	WDDG2/H12 71664  	EM1450 73691  	EM22 73867  
Product Addition Cable Connection Board w. Thermostat and Fuse for VHM Housing, „EC“ Series	Product Addition Plug-in shield for VHM/ EC&ST Housing Series, 330mm, RAL7032	Product Addition Thermostat Switch for VHM Housing	Product Addition Modification Kit for VHM-EC Housing Series to Plugable Central Connection	Product Addition Low Voltage Heater Kit 12V/8W for WDDG-2 housing	Mounting Wall Mount for light Duty Pelco housings	Mounting Wall Mount for EH5723-3

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type








HOUSINGS | Accessories

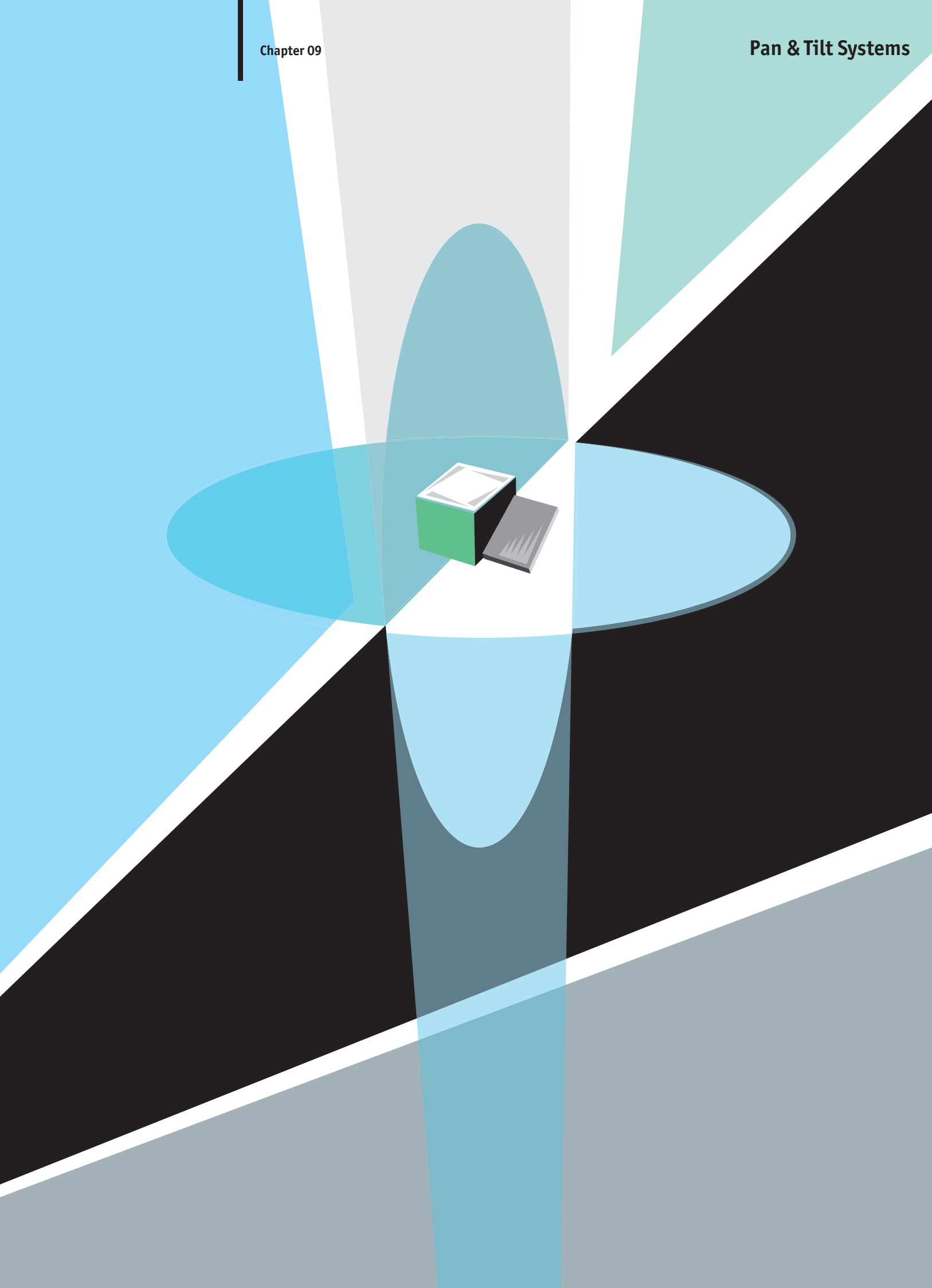
SS512 97015 	SS5723 73873 	SU-5 78452 	TI57 97312 	OWBIP2 130401 	DBH06 130015 	DBH07 130016 
Product Addition Sun shield for Pelco EH3512 and EH3512L series enclosures	Product Addition Sun Shield Roof for EH5723-3	Product Addition Support Kit for 10-300mm Lens in EH5700-Series	Product Addition Thermal insulation for EH5723/5729	Assembling Kit Special Gaskets for IP66 Protection for WBOVA2 / WCM4A2 Brackets	Mounting Wall Bracket with Internal Cable Channel for DBH18	Mounting Ceiling and Parapet Mount Bracket for DBH18
DBH08 130017 	DBH09 130018 	OHPVIRA 130366 	OIRCPA 130373 	OWBIP1 130400 	OHEGBPS1B 130319 	OHEGBPS2B 130320 
Mounting Extension for Ceiling/Parapet Mount Bracket for DBH18	Mounting Base for Rotation of Ceiling/Parapet Bracket DBH07	Mounting Bracket for Infrared Illuminator IR50	Mounting Adapter Plate for Power Supply IRPSBD with Pole Mount PTCC1	Mounting Kit Special Gaskets for IP66 Protection for WBOVA2 / WCM4A2 Brackets	Power Supplies Power Supply for Camera, IN 100-240VAC, OUT 12VDC, Weatherproof Box	Power Supplies Power Supply for Camera, IN 230VAC, OUT 24VAC, Weatherproof Box
OHEPS01B 130340 	OHEPS02B 130341 	OHEPS10B 130344 	OHEPS11B 130345 	OHEPS19B 130346 	OHEPS20 92361 	OH0VPS1B 130359 
Power Supplies Power Supply for Camera, IN 100-240VAC, OUT 12VDC	Power Supplies Power Supply for Camera, IN 230VAC, OUT 24VAC	Power Supplies Power Supply for Camera, IN 100-240VAC, OUT 12VDC	Power Supplies Power Supply for Camera, IN 230VAC, OUT 24VAC	Power Supplies Power Supply for Camera, IN 100-240VAC, OUT 12VDC	Power Supplies Power Supply for Camera, IN 230VAC, OUT 24VAC	Power Supplies Power Supply for Camera, IN 100-240VAC, OUT 12VDC
OH0VPS2B 130360 	EXHS000 130053 	OBKFIL 130261 	ODBH18C110 130264 	ODBH18C111 130265 	ODBH18C112 130266 	ODBH18C210 130267 
Power Supplies Power Supply for Camera, IN 230VAC, OUT 24VAC	Product Addition Sunshield 640mm for EXHC series housings	Product Addition Replacement Filter Kit for Double Filter Housing	Product Addition Camera Adapter with Blower IN: 100-240VAC, CAM OUT 100-240VAC/12VDC	Product Addition Camera Adapter with Blower IN: 230VAC, CAM OUT: 24VAC, 2A	Product Addition Camera Adapter with Blower IN: 230VAC, CAM OUT: 24VDC, 1.5A	Product Addition Camera Adapter with Blower IN: 24VAC, CAM OUT: 12VDC, 2A











Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type








ODBH18C211 130268 	ODBH18H110 130269 	ODBH18H111 130270 	ODBH18H112 130271 	ODBH18H210 130272 	ODBH18H211 130273 	ODBH18K1 130274 
Product Addition Camera Adapter with Blower IN: 24VAC, CAM OUT: 24VAC	Product Addition Camera Adapter with Blower IN: 100-240VAC, CAM OUT 100-240VAC/12VDC	Product Addition Camera Adapter with Heater IN: 230VAC, CAM OUT: 24VAC, 2A	Product Addition Camera Adapter with Heater IN: 230VAC, CAM OUT: 24VDC, 1.5A	Product Addition Camera Adapter with Heater IN: 24VAC, CAM OUT: 12VDC, 2A	Product Addition Camera Adapter with Heater IN: 24VAC, CAM OUT: 24VAC	Product Addition Fan-assisted heater 115/230VAC, reinforced
ODBH18K2 130275 	ODBH18PLDF 130276 	ODBH18PLDT 97342 	ODBH18V110 130277 	ODBH18V111 130278 	ODBH18V112 130279 	ODBH18V210 130280 
Product Addition Fan-assisted heater 12VDC/24VAC, reinforced	Product Addition Bubble for DBH18, vandal-resistant, smoked	Product Addition Bubble for DBH18, vandal-resistant, clear	Product Addition Camera Adapter with Blower and Heater IN: 100-240VAC, CAM OUT 100-240VAC/12VDC	Product Addition Camera Adapter with Blower and Heater IN: 230VAC, CAM OUT: 24VAC, 2A	Product Addition Camera Adapter with Blower and Heater IN: 230VAC, CAM OUT: 24VDC, 1.5A	Product Addition Camera Adapter with Blower and Heater IN: 24VAC, CAM OUT: 12VDC, 2A
ODBH18V211 130281 	OHEH01B 130323 	OHEH02B 130324 	OHEH24B 130327 	OHEH25B 130328 	OHEH26 130329 	OHEH27 130330 
Product Addition Camera Adapter with Blower and Heater IN: 24VAC, CAM OUT: 24VAC	Product Addition Heater for Weather-proof Housing, IN 12VDC/24VAC	Product Addition Heater for Weather-proof Housing, IN 115/230VAC	Product Addition Heater for Weather-proof Housing, IN 115/230VAC	Product Addition Heater for Weather-proof Housing, IN 12VDC/24VAC	Product Addition Heater for Weather-proof Housing, IN 115/230VAC	Product Addition Heater for Weather-proof Housing, IN 12VDC/24VAC
OHEPOWERJ 130339 	OH0VS32A000 130361 	OH0VTA1 97253 	OH0VV1 130362 	OH0VV2 130363 	OH0VV3 130364 	OHPVCF3 130365 
Product Addition Hi-PoE Power Injector, 1 Channel	Product Addition Sunshield for Weather-proof Housing	Product Addition Tamper switch (Board), Vandal-resistant Ssrews / key	Product Addition Heater Fan Assistant, Continuous Duty IN 12VDC	Product Addition Heater Fan Assistant, Continuous Duty IN 24VAC	Product Addition Heater Fan Assistant, Continuous Duty IN 100-240VAC	Product Addition Blower with Thermo-stat / Air Filter IN 110/240VAC

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

OHPVTA1 130369	OHPVV1 130370	OHPVV2 130371	OHPVV3 130372	VIP5WAS02 97341	VIP6A1 130521	VIP6A2 130522
						
Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition
Tamper switch (Board), Vandal-resistant Sscrews / key	Heater Fan Assistant, Continuous Duty IN 12VDC	Heater Fan Assistant, Continuous Duty IN 24VAC	Heater Fan Assistant, Continuous Duty IN 100-240VAC	Tank 5L, IN 24VAC Washer Pump	Wiper Kit 230VAC	Wiper Kit 24VAC



	VPT-40/230V 73206	VPT-40/230V-POT 73208	VPT-40/230VHZ 73224	VPT-40/24V 73205	VPT-40/24V-POT 73207
					
					
Autopan	no	no	no	no	no
Pattern	no	no	no	no	no
Rotation range	359°	359°	359°	359°	359°
Colour (housing)	Eloxal C0	Eloxal C0	Eloxal C0	Eloxal C0	Eloxal C0
Housing material	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic
Heater	optional	optional	yes	optional	optional
Positioned freely	no	yes	no	no	yes
Illuminator mountable	optional	optional	optional	optional	optional
Serial interfaces	voltage	voltage	voltage	voltage	voltage
Load capacity	20kg	20kg	20kg	20kg	20kg
Protection rating	IP66	IP66	IP66	IP66	IP66
Supply voltage	230VAC	230VAC	230VAC	24VAC	24VAC
Comments					

	VPT-40/24VHZ 73223	PT570-24P 74205	PT570-24P/PP 74198	EXPTC000 130055	EXPTD001 130060
					
					
Autopan	no	no	no	no	no
Pattern	no	no	yes	no	no
Rotation range	359°	355°	355°	360°	360°
Colour (housing)	Eloxal C0	grey	grey	RAL7032	RAL7032
Housing material	Aluminium, Plastic	Aluminium	Aluminium	Aluminium	Aluminium
Heater	yes	optional	optional	yes	yes
Positioned freely	no	no	yes	yes	yes
Illuminator mountable	optional	no	no	no	no
Serial interfaces	voltage	voltage	voltage	n/a	n/a
Load capacity	20kg	18kg	18kg	100kg	100kg
Protection rating	IP66	IP32	IP32	IP66	IP66
Supply voltage	24VAC	24VAC	24VAC	24VAC	24VAC
Comments				Explosion-proof	Explosion-proof, glass protection

! Planning a pan/tilt system

In addition to the maximum load, the load distribution (camera/housing/accessories) must be considered when planning a pan/tilt system. Pan/tilt heads with a side camera mount have the advantage over overhead mounts as the load centre can be positioned better. The height of the camera mount can be adjusted and the maximum torque and torque direction is noted in our data-sheets for every model.











NXPTH210
130242






NXPTH211
130243


Autopan	no	no
Pattern	no	no
Rotation range	340°	340°
Colour (housing)	silver grey	silver grey
Housing material	Stainless steel	Stainless steel
Heater	no	no
Positioned freely	yes	yes
Illuminator mountable	no	no
Serial interfaces	n/a	n/a
Load capacity	40kg	40kg
Protection rating	IP66/67	IP66/67
Supply voltage	230VAC	24VAC
Comments		

! Index of Protection






„IP“ stands for „International Protection“, an internationally specified standard for protection against contact and foreign particles (1st digit) and water (2nd digit). Accordingly, „IP67“ indicates „dust tight and complete protection against contact“ and „protection when immersed in water for 30 min.“.






	VPT-501 75302	VPT-501/HZ 75304	VPT-601 75303	VPT-601/HZ 75305	VPT-651 75301
					
					
Autopan	yes	yes	yes	yes	yes
Pattern	no	no	no	no	no
Rotation range	359°	359°	continuous: 360°	continuous: 360°	continuous: 360°
Colour (housing)	Eloxal C0	Eloxal C0	Eloxal C0	Eloxal C0	Eloxal C0
Housing material	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic
Heater	optional	yes	optional	yes	optional
Positioned freely	yes	yes	yes	yes	yes
Illuminator mountable	optional	optional	yes	yes	no
Serial interfaces	RS-422, RS-485	RS-422, RS-485	RS-422, RS-485	RS-422, RS-485	RS-422, RS-485
Load capacity	12kg	12kg	12kg	12kg	12kg
Protection rating	IP66	IP66	IP66	IP66	IP66
Supply voltage	24VAC	24VAC	230VAC	230VAC	230VAC
Comments					With camera enclosure

	ES3012-5W 73591	ES30C16-5W 73692	ES30C22-5W-X 73693	ES30CBW35-5W-X 74214	ES31CBW35-5N-X 74199
					
					
Autopan	yes	yes	yes	yes	yes
Pattern	yes	yes	yes	yes	yes
Rotation range	continuous: 360°	continuous: 360°	continuous: 360°	continuous: 360°	continuous: 360°
Colour (housing)	grey	grey	grey	grey	grey
Housing material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Heater	yes	yes	yes	yes	yes
Positioned freely	yes	yes	yes	yes	yes
Illuminator mountable	no	no	no	no	no
Serial interfaces	RS-422, Coaxitron	RS-422, Coaxitron	RS-422, Coaxitron	Coaxitron, RS-422	RS-422, Coaxitron
Load capacity	n/a	n/a	n/a	n/a	n/a
Protection rating	IP66	IP66	IP66	IP66	IP66
Supply voltage	120VAC, 230VAC	120VAC, 230VAC	120VAC, 230VAC	120VAC, 230VAC	120VAC, 230VAC
Comments		IOP camera modul included	IOP camera modul included	IOP camera modul included	IOP camera modul included

! Multi-protocol capability






As opposed to its predecessors the VPT 41/42, VPT-501 and VPT-601 P/T systems have multi-protocol capability and support the following protocols: VIDEOR, Fastrax IIE, Pelco D&P, Siemens, Philips; each of which with an adjustable baud rate.

	IPSM31CBW23-7X 73929	UPT1PVSA000C 130450	UPT1PVWA000C 130454	UPT1SLWA000C 130456	UPT1SLWAX00C 130455
					
Autopan	yes	yes	yes	yes	yes
Pattern	yes	yes	yes	yes	yes
Rotation range	360°	continuous: 360°	continuous: 360°	continuous: 360°	continuous: 360°
Colour (housing)	silver grey	RAL9002	RAL9002	RAL9002	RAL9002
Housing material	Stainless steel	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic
Heater	yes	yes	yes	yes	yes
Positioned freely	yes	yes	yes	yes	yes
Illuminator mountable	optional	no	no	no	no
Serial interfaces	RS-422, Coaxitron	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485
Load capacity	n/a	n/a	n/a	n/a	4,5kg
Protection rating	IP66	IP66	IP66	IP66	IP66
Supply voltage	120VAC, 230VAC	230VAC	230VAC	230VAC	230VAC
Comments	IOP camera modul included, explosion-proof	Camera included	Camera, wiper included	Including camera, wiper, absolute positioning	Including wiper, MPEG4-Server, absolute positioning

	UPT1SVSA000C 130462	UPT2PVDA000C 130474	UPT2PVDAX00C 130473	UPT2PVSA000C 130480	UPT2PVUA000C 130484
					
Autopan	yes	yes	yes	yes	yes
Pattern	yes	yes	yes	yes	yes
Rotation range	continuous: 360°	continuous: 360°	continuous: 360°	continuous: 360°	continuous: 360°
Colour (housing)	RAL9002	RAL9002	RAL9002	RAL9002	RAL9002
Housing material	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic
Heater	yes	yes	yes	yes	yes
Positioned freely	yes	yes	yes	yes	yes
Illuminator mountable	no	no	no	no	yes
Serial interfaces	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485
Load capacity	n/a	n/a	n/a	n/a	n/a
Protection rating	IP66	IP66	IP66	IP66	IP66
Supply voltage	230VAC	24VAC	24VAC	24VAC	24VAC
Comments		Including camera, wiper, absolute positioning	Including camera, wiper, MPEG4-Server, absolute positioning	Camera included	Including camera and wiper, IR illuminator not included

! Control

There is a TX-BAB translator board For the Pelco Esprit series, which allows control of the Esprit's with Philips or Sensormatic protocols in addition to the normal Pelco Coaxitron controls.

	UPT2PVWA000C 130486	UPT2SLWAX00C 130487	UPT2SVDA000C 130490	UPT2SVDAX00C 130489	UPT2SVUA000C 130502
					
Autopan	yes	yes	yes	yes	yes
Pattern	yes	yes	yes	yes	yes
Rotation range	continuous: 360°	continuous: 360°	continuous: 360°	continuous: 360°	continuous: 360°
Colour (housing)	RAL9002	RAL9002	RAL9002	RAL9002	RAL9002
Housing material	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic	Aluminium, Plastic
Heater	yes	yes	yes	yes	yes
Positioned freely	yes	yes	yes	yes	yes
Illuminator mountable	no	no	no	no	yes
Serial interfaces	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485	RS-232, RS-485
Load capacity	n/a	4,5kg	n/a	n/a	n/a
Protection rating	IP66	IP66	IP66	IP66	IP66
Supply voltage	24VAC	24VAC	24VAC	24VAC	24VAC
Comments	Including camera, wiper	Including wiper, MPEG4-Server, absolute positioning	Including wiper, absolute positioning	Including wiper, MPEG4-Server, absolute positioning	Wiper included, IR illuminator not included

! Weight

Don't lose sight of the overall weight of your system. The combination of camera, weather-resistant housing, pan/tilt head and infrared light can easily exceed 15kg.

VHM/ZB-VPT-055 79672  	EDC-KBD1 74088  	EDC-KBDM-3 74092  	EKR-KB1 75207  	KBD-CSK-100 74217  	CMA-11 73137  	MK-1N1 73134  
Cables	Input Devices	Input Devices	Input Devices	Input Devices	Mounting	Mounting
Connection Cable 0.55m, VHM/ZLB to VPT-501, VPT-601	System Keyboard with 3-axis Joystick, 12VDC	System Keyboard w. Joystick, 5" Monitor 12VDC, Fastrax Protocol	Universal Keyboard for Matrix Switchers EKR Series, Pantone Coolgray 1C	System Keyboard with 3-Axis Joystick, 12VDC	Corner Mount Adapter for Wall Brackets WD-2N1 and VDW-1/WM, RAL7032	Pole Bracket for Pan/Tilt Heads RAL7032
MK-21 73139  	MK-22 73156  	PM-7 73153  	VPT/IRB-4L 77488  	VPT/IRB-4T 77489  	WD-2N1 73099  	WD-32 73157  
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Mounting
Pole Column Spacer for Pan/Tilt Heads, 200mm Height, RAL7032	Pole Column Spacer for Pan/Tilt Heads 360°, 200mm Height, RAL7032	Pole Mount Adapter for WD-32 (80-150mm Pole), RAL7032	L-Bracket for VPT-40, RAL7032	T-Bracket for VPT-40, RAL7032	Wall Bracket for Pan/Tilt Heads VPT-40, RAL7032	Wall Bracket for Pan/Tilt Heads VPT-40/501/601/651 Series, RAL7032
NE-128 70449  	EDC-COAX 74094  	PTZF/G-EC 75354  	VPT-40/230VHZ-K 73229  	VPT-40/24VHZ-K 73228  	VPT-42RS/SS 73497  	EPM 73509  
Power Supplies	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Mounting
Voltage supply unit 230V/24VAC-5A, IP66	Coax Telemetry Board for VPT-41/42, VPT-501/601, EDC/EDMC Series assembled	Control Unit for Pan/Tilt Head and Lens, 24VAC with Power Supply, RAL7032	Heating Kit for VPT-40/230VAC	Heating Kit for VPT-40/24VAC	Control Software Vtrans for VPT-42RS Win98, 2000 and XP	Pole Mount Adapter for Positioning System Esprit with Wallbracket
PAXM100 73931  	WXM100 73932  	EXPTWB000 130066  	EXPTWB00R 130065  	UPTWBA 130442  	UPTWBTA 130545  	UPTHT1 130437  
Mounting	Mounting	Mounting	Mounting	Mounting	Mounting	Product Addition
Pole Mount Adapter for Explosionproof Positioning System ExSite	Wall Mount Bracket for Explosionproof Positioning System ExSite	Bracket for EXPT, RAL7032	Bracket for EXPT, RAL7001	Wall Bracket with Internal Cable Channel	Parapet Bracket with Internal Channel	Reinforced Heater for Positioning System with Standard Camera/Lens

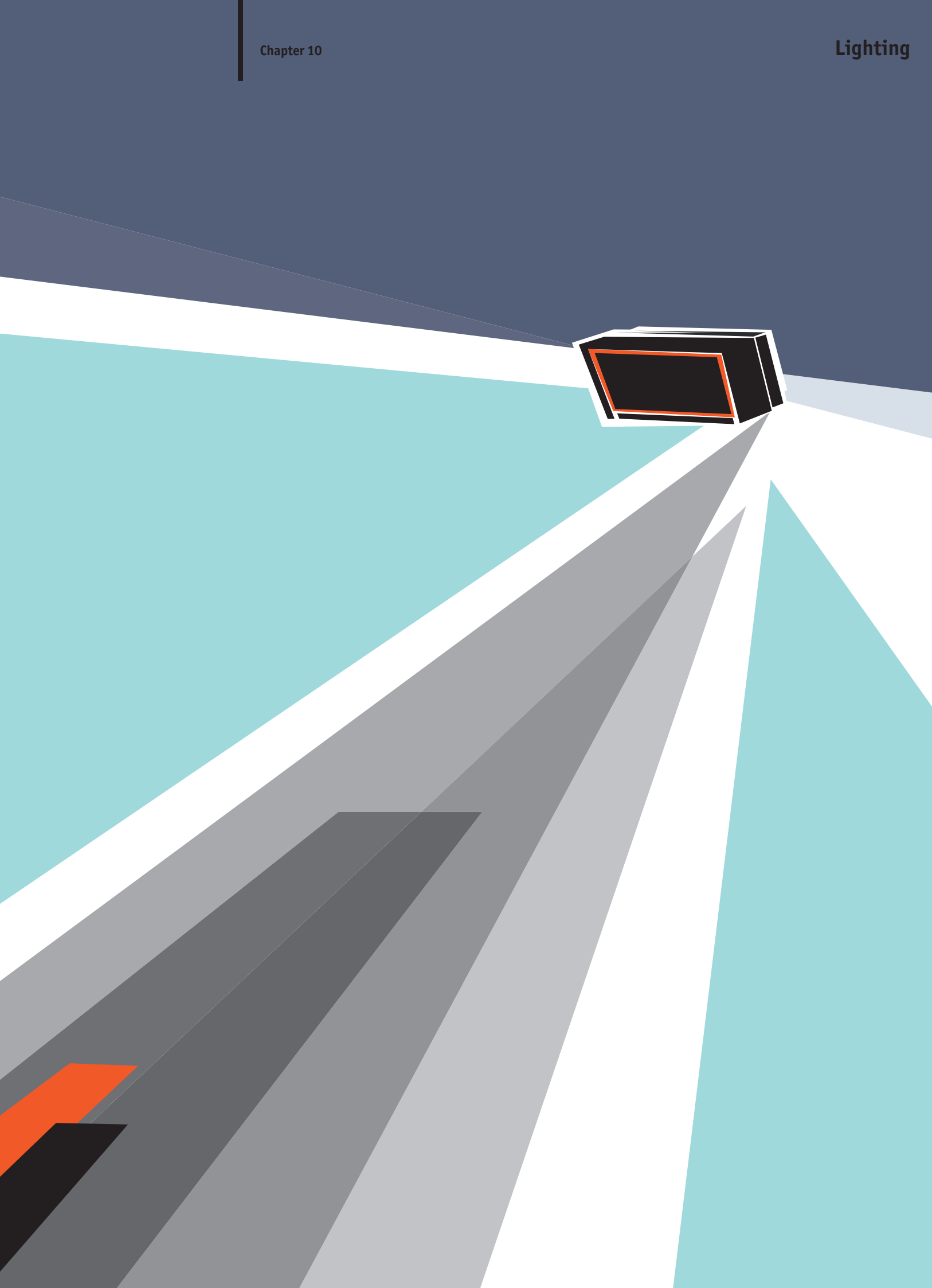
Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

UPHT2
130438



Product Addition

Reinforced Heater for
Positioning System
with SONY Camera/Lens



Lamp type: LED

UFLED95-8BD
97057



UFLED30-8BD
73976



UFLED60-8BD
71750



UFLED20-8BD
73973



UFLED10-8BD
73972



Twilight switch	no	no	no	no	no
Scene coverage	30m	110m	110m	150m	220m
Power consumption	45W	45W	45W	45W	45W
Power supply unit	optional	external	external	external	external
Spectral emission	850nm	850nm	850nm	850nm	850nm
Angle of light source h	95°	30°	60°	20°	10°
Protection rating	IP67	IP67	IP67	IP67	IP67

Lamp type: LED

WFL-II/LED15-12
73826



MFL-I/LED5-12
73923



IR LED150-C-35
71736



IR LED150-A-50
71732



IR LED150-A-50R
71735



Twilight switch	optional	yes	yes	yes	yes
Scene coverage	15m	30m	50m	75m	75m
Power consumption	15W	5W	25W	36W	36W
Power supply unit	optional	optional	integrated	integrated	integrated
Spectral emission	950nm	850nm	950nm	850nm	850nm
Angle of light source h	40°	30°	35°	50°	50°
Protection rating	IP66	IP66	IP66	IP66	IP66

Lamp type: LED

IR LED150-A-20
71734



IR LED300-C-35
71731



IR LED300-A-50
71756



IR LED300-A-50R
71757



IR LED300C-A-50
71737



Twilight switch	yes	yes	yes	yes	yes
Scene coverage	90m	100m	150m	150m	150m
Power consumption	36W	80W	65W	65W	68W
Power supply unit	integrated	integrated	integrated	integrated	integrated
Spectral emission	850nm	950nm	850nm	850nm	850nm
Angle of light source h	20°	35°	50°	50°	50°
Protection rating	IP66	IP66	IP66	IP66	IP66

! Maximum ranges of our infrared illuminators

The stated maximum ranges of our infrared illuminators can only be achieved when the following conditions are satisfied:

1. The camera has good sensitivity in the infrared illuminator's wavelength range.
2. A lens with a relative aperture of at least F 1.4 should be used on the camera. In addition, only day/night lenses should ever be used in order to prevent sharpness problems arising from the wavelength being different from that in daylight.
3. Furthermore, the range is dependent upon the capability of the radiated object to reflect infrared light. For instance, a white wall has much better reflection than black asphalt. The reflection characteristics are sometimes completely different than in visible light; plants reflect light strongly in the near infrared range. We assume an average reflection factor for the radiated objects in the ranges we specify.

Products in the tables above are sorted by: 1. Brand, 2. Scene coverage, 3. Type

Lamp type: LED

IR LED300-A-20
71758

IR LED300-B-20
71726

IR LED300-A-06
71723

RM25-120
97503

RM25-120-IP
97504


Twilight switch	yes	yes	yes	yes	yes
Scene coverage	180m	180m	250m	8m	8m
Power consumption	65W	72W	80W	10W	10W
Power supply unit	integrated	integrated	integrated	integrated	integrated
Spectral emission	850nm	880nm	850nm	850nm	850nm
Angle of light source h	20°	20°	6°	120°	120°
Protection rating	IP66	IP66	IP66	IP66	IP66

Lamp type: LED

RM50-AI-120
74171

RM25-30-IP
74181

RM50-AI-50
73983

RM100-AI-120
74202

RM100-AI-120PU
97395


Twilight switch	yes	yes	yes	yes	yes
Scene coverage	16m	20m	28m	32m	32m
Power consumption	20W	12W	20W	50W	50W
Power supply unit	external	integrated	external	external	external
Spectral emission	850nm	850nm	850nm	850nm	850nm
Angle of light source h	120-180°	30°	50-100°	120-180°	120-180°
Protection rating	IP66	IP40	IP66	IP66	IP66

Lamp type: LED

RM50-AI-30
97177

RM100-AI-50
73981

RM200-AI-120
73977

RM100-AI-30
73985

RM300-AI-120
73967


Twilight switch	yes	yes	yes	yes	yes
Scene coverage	40m	56m	64m	80m	80m
Power consumption	20W	50W	80W	50W	120W
Power supply unit	external	external	external	external	external
Spectral emission	850nm	850nm	850nm	850nm	850nm
Angle of light source h	30-60°	50-100°	120-180°	30-60°	120-180°
Protection rating	IP66	IP66	IP66	IP66	IP66











! Raytec RM300 Illuminators

Raytec RM300 Illuminators come with an integral twilight switch. An external switch contact can switch on all illuminators together over an external twilight switch. And the illuminators can also be switched on by day/night cameras when they also have an external switch contact.











! Important Advice

Do only use infra-red halogen illuminators with the indicated power supply.


Lamp type: LED

	RM200-AI-50 73942	RM300-AI-50 73966	RM200-AI-30 73941	RM300-AI-30 73965	RM200-AI-10 97175
					
					
Twilight switch	yes	yes	yes	yes	yes
Scene coverage	112m	140m	160m	200m	300m
Power consumption	80W	120W	80W	120W	80W
Power supply unit	external	external	external	external	external
Spectral emission	850nm	850nm	850nm	850nm	850nm
Angle of light source h	50-100°	50-180°	30-60°	30-90°	10-20°
Protection rating	IP66	IP66	IP66	IP66	IP66

Lamp type: LED






	RM300-AI-10 73964	RM300-AI-10C 74194	IR60BD 97318	IR30BD 130208	IR10BD 130207
					
					
Twilight switch	yes	yes	yes	yes	yes
Scene coverage	370m	370m	70m	110m	220m
Power consumption	120W	120W	45W max.	45W max.	45W max.
Power supply unit	external	integrated	external	external	external
Spectral emission	850nm	940nm	850nm	850nm	850nm
Angle of light source h	10-30°	10-30°	60°	30°	10°
Protection rating	IP66	IP66	IP67	IP67	IP67






Lamp type: halogen




	100/60/950 73662	100/60/830 73657	300/FL00D/830 73648	100/30/950 73659	100/10/950 73658
					
					
Twilight switch	no	no	no	no	no
Scene coverage	20m	25m	25m	30m	40m
Power consumption	70W	70W	180W	70W	70W
Power supply unit	optional	optional	optional	optional	optional
Spectral emission	950nm	830nm	830nm	950nm	950nm
Angle of light source h	60°	60°	60°	30°	10°
Protection rating	IP66	IP66	IP66	IP66	IP66

! Does IR light damage the eyes?

In some circumstances yes, as the human eye cannot perceive the wavelength of infrared radiation as visible light, i.e. the eye's iris does not react to infrared light. This may cause irreparable damage to the retina. On the other hand, a weak IR illumination is used in diagnostics to examine the ocular fundus. Nonetheless, care should be taken with all lights used in surveillance when their power normally exceeds the permissible value.

Lamp type: halogen	100/30/830 73656	300/30/830 73649	300/FL00D/730 73645	100/10/830 73655	500/30/830 73643
					
Twilight switch	no	no	no	no	no
Scene coverage	40m	40m	45m	55m	55m
Power consumption	70W	180W	180W	70W	220W
Power supply unit	optional	optional	optional	optional	optional
Spectral emission	830nm	830nm	730nm	830nm	830nm
Angle of light source h	30°	30°	60°	10°	30°
Protection rating	IP66	IP66	IP66	IP66	IP66

Lamp type: halogen	500/FL00D/830 73629	300/30/730 73646	500/FL00D/730 73636	300/10/830 73651	500/10/830 73644
					
Twilight switch	no	no	no	no	no
Scene coverage	59m	70m	70m	75m	80m
Power consumption	220W	180W	220W	180W	220W
Power supply unit	optional	optional	optional	optional	optional
Spectral emission	830nm	730nm	730nm	830nm	830nm
Angle of light source h	60°	30°	60°	10°	10°
Protection rating	IP65	IP66	IP66	IP66	IP66

Lamp type: halogen	300/10/730 73647	500/30/730 73638	500/10/730 73637
			
Twilight switch	no	no	no
Scene coverage	100m	100m	140m
Power consumption	180W	220W	220W
Power supply unit	optional	optional	optional
Spectral emission	730nm	730nm	730nm
Angle of light source h	10°	30°	10°
Protection rating	IP66	IP66	IP66

! Distances for IR light

A minimum distance of 1.5m should be adhered to for direct illumination with infrared lights in order to avoid eye damage. Distances under 1m must be regarded as being hazardous even for a short visual contact.

! Infrared lighting

Lighting in the near-infrared spectral range, nearly invisible for the human eye above a certain wavelength. Light emission is normally designed to start at a wavelength of 715nm (semi-discrete) right up to 950nm (fully discrete).

LIGHTING | White Light

Lamp type: LED

W LED300K-140
71746



W LED300K-25
71743



W LED300K-06
71741



RL25-120
74207



RL25-30
97293



Twilight switch	no	no	no	yes	yes
Scene coverage	100m	175m	250m	8m	20m
Power supply unit	integrated	integrated	integrated	external	external
Angle of light source h	140°	25°	6°	120°	30°
Luminous Flux	8500 Lumen	8500 Lumen	8500 Lumen	n/a	n/a
Protection rating	IP66	IP66	IP66	IP66	IP66

Lamp type: LED

RL100-AI-50
74215

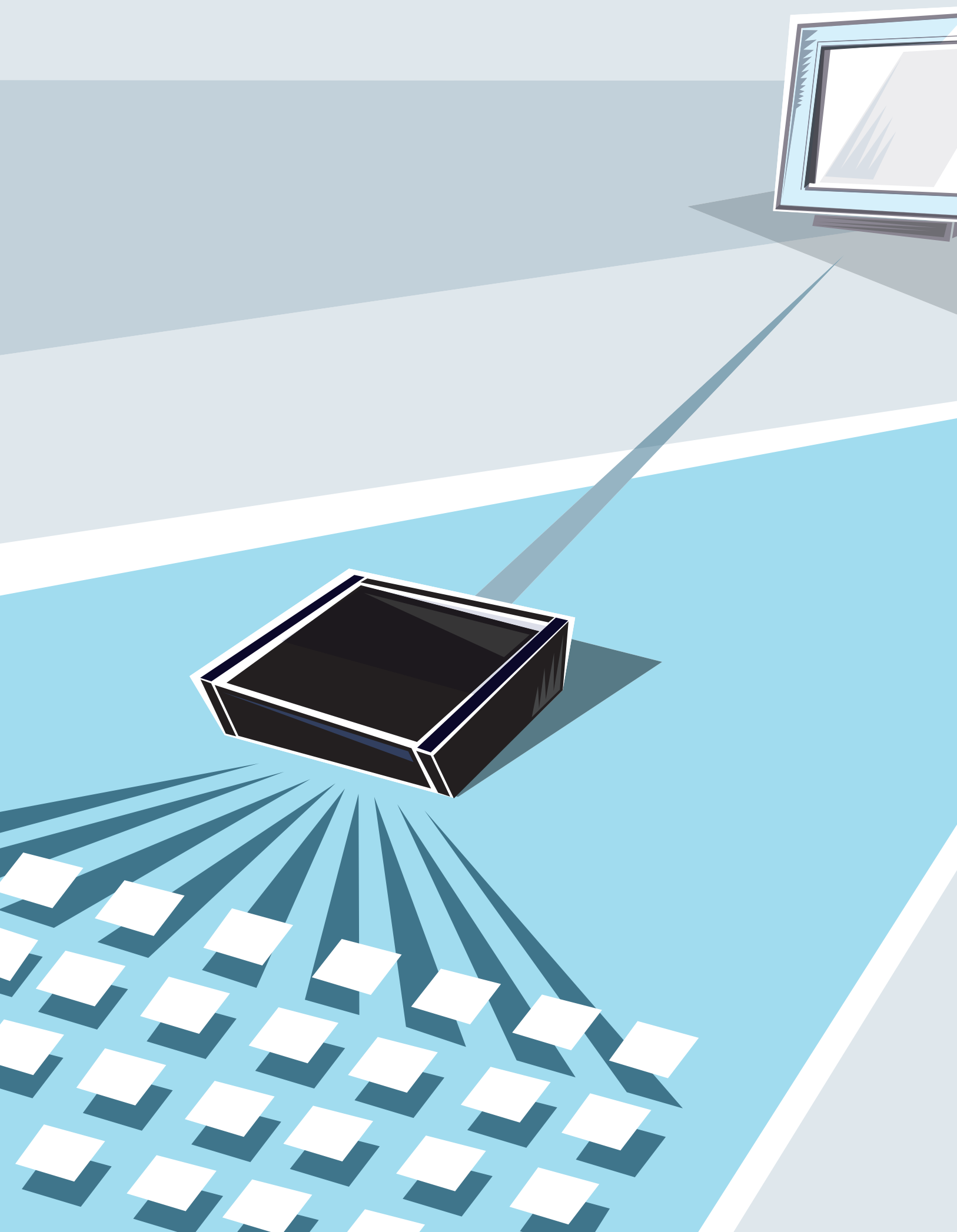


Twilight switch	yes
Scene coverage	45m
Power supply unit	external
Angle of light source h	50-100°
Luminous Flux	n/a
Protection rating	IP66

MINISS 73663  	MINIST 73664  	PSU3SS 73652  	PSU3ST 73653  	PSU5SS 73633  	PSU5ST 73634  	MINILL 73665  
Power Supplies Power Supply 230VAC/12VAC for one Halogen Illuminator Series IR-100	Power Supplies Power Supply 230VAC/12VAC for two Halogen Illuminator Series IR-100	Power Supplies Power Supply Unit 230VAC/26,5VAC for one Halogen Illumina- tor Series IR-300	Power Supplies Power Supply Unit 230VAC/26,5VAC for two Halogen Illumina- tors, Series IR-300	Power Supplies Power Supply Unit 230VAC/28VAC for one Halogen Illuminator, Series IR-500	Power Supplies Power Supply Unit 230VAC/28VAC for two Halogen Illuminators, Series IR-500	Product Addition Replacement Kit for Halogen Infrared Illu- minator Series IR-100
UNILL 73654  	UNIPF 73642  	IR LED-WBSET 71725  	PM-80 71722  	WD-28 79638  	WD-5/MK 79750  	NE-109N 73827  
Product Addition Replacement Kit for Halogen Infrared Illu- minator Series IR-300	Product Addition Replacement Kit for Halogen Infrared Illu- minator Series IR-500	Mounting Wall Mount Set: Moun- ting Bracket and Wall Mount Bracket	Mounting Pole Mount Adapter IR LED-WBSET (80-180mm Pole)	Mounting Wall Bracket for Raytec IR LED Illuminators Series RM25 to RM200	Mounting Wall Mount with Swivel Head for weatherproof Housing, black	Power Supplies Power Supply 110-240VAC/12VDC for one LED-Infrared Illuminator 15W, Regulated
DS-3 73433  	PBC-1 73980  	PCB-1-PSU 97415  	WB1 73979  	IRPSBD120 130203  	IRPSBD230 130204  	IRPSBD24 130205  
Product Addition Twilight Switch with ON/OFF Delay adjus- table Switching Points, 230VAC	Mounting Pole mount for Raytec IR LED Illuminators Series	Mounting Mounting bracket with 8m cable	Mounting Wall Bracket for Raytec IR LED Illuminators Series	Power Supplies Power supply/control to synchronize with Camera Module Positio- ning System, 120VAC	Power Supplies Power supply/control to synchronize with Camera Module Positio- ning System, 230VAC	Power Supplies Power supply/control to synchronize with Camera Module Positio- ning System, 24VAC

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

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TRANSMISSION

Troubleshooting Guide for relay of video signal

Advantages of Nitek twisted pair

VIDEOR supplies a comprehensive range of products enabling the relaying of video signals. The type of relay system that is right for your own particular application primarily depends upon the distance to be covered. As the installation of the right type of relay technology also depends upon the conditions at the rel-

evant locations, the information given in this document should only be taken as a recommendation. Alongside the solutions proposed here, we can also supply products for relay by radio link and these are especially suitable in cases where the relay must take place across obstacles, such as railway crossings.

Asymmetric coaxial cable

Cable type:	Typical attenuation at 6 MHz:	Maximum distance
RG59 coaxial cable	3dB / 100 metres	100 metres (digital recording)
RG59 coaxial cable	3dB / 100 metres	150 metres (surveillance)
RG11 coaxial cable	1dB / 100 metres	300 metres (digital recording)
RG11 coaxial cable	1dB / 100 metres	500 metres (surveillance)

The distances given here may be substantially exceeded in the case of cameras with switchable cable compensation.

Symmetric cable CAT2-5 (UTP) 24AWG (unshielded twisted two-core cable)

Transmitter:	Receiver:	Maximum distance
Passive	Passive	225 metres (digital recording)
Passive	Passive	350 metres (surveillance)
Passive	Active	800 metres (digital recording)
Passive	Active	1000 metres (surveillance)
Active	Active	1800 metres (digital recording)
Active	Active	2200 metres (surveillance)

If several video signals are to be relayed using the same cable, the maximum coverage distances are substantially reduced. If existing cables are to be used, we recommend that the capacity of those cables be measured. The capacity should not be higher than 57pF per metre.















Fibre-optic cabling









Cable type:	Typical attenuation at 6 MHz:	Maximum distance
Multimode 62.5/125µm	13 - 17 dB optical budget	3 - 4 km
Multimode 50/125µm	13 - 17 dB optical budget	approx. 10-15% lower (3 - 4 km)















Up to 8 video signals can be relayed via each multimode fibre. Data interfaces (RS232/422/485), contact interfaces and audio signals may optionally be transmitted along the same fibre.

Cable type:	Typical attenuation at 6 MHz:	Maximum distance
Single mode 9/125µm	15 - 30 dB optical budget	40 - 80 km

Up to 64 video signals can be relayed via each single mode fibre. Data interfaces (RS232/422/485), contact interfaces and audio signals may optionally be transmitted along the same fibre. A drop and insert configuration may optionally be used to enable video signals and data interfaces (uni-directional reception) to be sent or transmitted at several locations via the same single mode fibre.

Brand: eneo	VZS-4/M1 70564	VZS-4/M2 70567	VZS-5 70517	VZS-6 70599	VZT-21A/RJ45 75801	VZT-21B/TB 75802	VZT-21C/RJ45 75803
	 	 	 	 	 	 	 
Operation mode	Active	Active	Active	Active	Passive	Passive	Passive
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter / Receiver	Transmitter / Receiver	Transmitter / Receiver
Range	850m	1000m	850m	2000m	400m	400m	50m
Signal transmission	Video	Video	Video	Video	Video	Video	Video, Voltage
Weatherproof	no	no	yes	no	no	no	no
Model	Module	Module	Housing	Mini module	Mini module	Mini module	Mini module

Brand: eneo	VZE-4/M2 70568	VZE-5 70519	VZZ-4/M2 70569	VZZ-5 70518
	 	 	 	 
Operation mode	Active	Active	Active	Active
Type of unit	Receiver	Receiver	Amplifier	Amplifier
Range	-	-	1000m	850m
Signal transmission	Video	Video	Video	Video
Weatherproof	no	yes	no	yes
Model	Module	Housing	Module	Housing

Brand: Nitek	TT560 74308	VB39F 74333	VH1639 74324	VH3239 74325	VH439 74322	VH839 74323	DL1142 74327
	 	 	 	 	 	 	 
Operation mode	Active	Passive	Passive	Passive	Passive	Passive	Active
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter / Receiver
Range	2200m	228m	350m	350m	350m	350m	4800m
Signal transmission	Video	Video	Video, Voltage, Data	Video, Data, Voltage	Video, Voltage, Data	Video, Data, Voltage	Data
Weatherproof	yes	yes	no	no	yes	no	n/a
Model	Mini module	Mini module	Housing	Housing	Module	Housing	Module

Products in the tables above are sorted by: 1. Type of unit, 2. Type

Brand: Nitek

EX1120
74321

NITEK™

VB31PT
74302

NITEK™

VB37F
74303

NITEK™

VB37M
74304

NITEK™

VB39M
74305

NITEK™

VB41X4
74315

NITEK™

VB43ATF
74309

NITEK™



Operation mode

Active

Passive

Passive

Passive

Passive

Passive

Passive

Type of unit

Transmitter /
ReceiverTransmitter /
ReceiverTransmitter /
ReceiverTransmitter /
ReceiverTransmitter /
ReceiverTransmitter /
ReceiverTransmitter /
Receiver

Range

4800m

225m

350m

350m

350m

350m

350m

Signal transmission

Voltage, Data,
Video

Video

Video, Data

Video, Data

Video, Data

Video, Data

Video, Data,
Voltage

Weatherproof

yes

yes

yes

yes

yes

no

no

Model

Module

Mini module

Mini module

Mini module

Mini module

Board

Mini module

Brand: Nitek

VH1656
74313

NITEK™

VR124-COAX
74330

NITEK™

VR124-UTP
74331

NITEK™

TR510M
74310

NITEK™

TR515X4
74316

NITEK™

TR560
74307

NITEK™

TR560X4
74317

NITEK™



Operation mode

Active

Active

Active

Active

Active

Active

Active

Type of unit

Transmitter /
ReceiverTransmitter /
ReceiverTransmitter /
Receiver

Receiver

Receiver

Receiver

Receiver

Range

1000m

900m

1500m

305m

500m

2200m

1000m

Signal transmission

Video

Video, Audio, Data

Video, Audio, Data

Video, Data,
VoltageVideo, Voltage,
Data

Video

Video, Data

Weatherproof

no

no

no

yes

no

yes

no

Model

Housing

Module

Module

Module

Board

Mini module

Board

Brand: Nitek

VH3256
74326

NITEK™

VH456
74311

NITEK™

VH856
74312

NITEK™



Operation mode

Active

Active

Active

Type of unit

Receiver

Receiver

Receiver

Range

900m

1000m

1000m

Signal transmission

Video

Video, Voltage,
Data

Video

Weatherproof

no

no















no



Model

Housing

Module

Housing

Brand: Pelco	TW3001AT-X 70924	TW3001P 70925	TW3004P 70927	TW3008P 70928	TW3016P 70929	TW3032P 70930	TW3001AR 70923
							
							
Operation mode	Active	Passive	Passive	Passive	Passive	Passive	Active
Type of unit	Transmitter	Transmitter	Transmitter / Receiver	Transmitter / Receiver	Transmitter / Receiver	Transmitter / Receiver	Receiver
Range	1500m	230m	230m	230m	230m	230m	1500m
Signal transmission	Video	Video	Video	Video	Video	Video	Video
Weatherproof	no	no	no	no	no	no	no
Model	Module	Mini module	Module	Housing	Housing	Housing	Module








Brand: Pelco	TW3004AR 70926
	
	
Operation mode	Active
Type of unit	Receiver
Range	1500m
Signal transmission	Video
Weatherproof	no
Model	Module








! System planning




Power consumption of individual cards (Power Factor) is an important factor for 19" rack configuration.

TRANSMISSION

Twisted Pair Accessories

VZE-4/M-CB1 70579	VZS-4/M-CB1 70584	VZSY-4/19" 70587	VZSY-4/19"-B1 70594	VZSY-4/19"-B10 70597	VZSY-4/19"-B2 70595	VZSY-4/19"-B5 70596
						
19" Rack Mounting 19" Connector Board for two VZE-4 Modules	19" Rack Mounting 19" Connector Board for two VZS-4 Modules	19" Rack Mounting 19" Card Cage Housing for 34 Twisted Pair Cards with built-in Power Supply	19" Rack Mounting Blank Panel Plate 1TE	19" Rack Mounting Blank Panel Plate 10TE	19" Rack Mounting Blank Panel Plate 2TE	19" Rack Mounting Blank Panel Plate 5TE

VZZ-4/M-CB1 70583	VZSY-4/M-FR 70586	VT-PS12DC-7 70495	VT-PS12DC-8 70535	BP40 74320	CX452 74334	DVRPTR16 74318
						
19" Rack Mounting 19" Connector Board for two VZZ-4 Cards	Mounting Rack Mount Front Panel for Twisted Pair Modules VZSY-4	Power Supplies Pluggable PSU w. Cont. & UK Mains plug-in 100-240VAC/12VDC- 1.25A, Regulated	Power Supplies Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, with DC Plug	19" Rack Mounting Blank Panel Plate 1TE	19" Rack Mounting Modular Card Cage for 19" Rack Cabinet, 4 cards can be used	19" Rack Mounting 16-channel Surge Pro- tection Panel, 19"

RK400 74314	CAMPTR1 74319	IPPTR12 74332
		
19" Rack Mounting 19" Rack Mount Housing for 10 Video Twisted-pair T/R Cards, 240VAC	Product Addition 1-channel Coaxial Cable In-line Surge Protector	Product Addition 12 Port NW surge protection panel, 19" PoE/Non-PoE 10/100 MBit/s, RJ45 In/Output

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

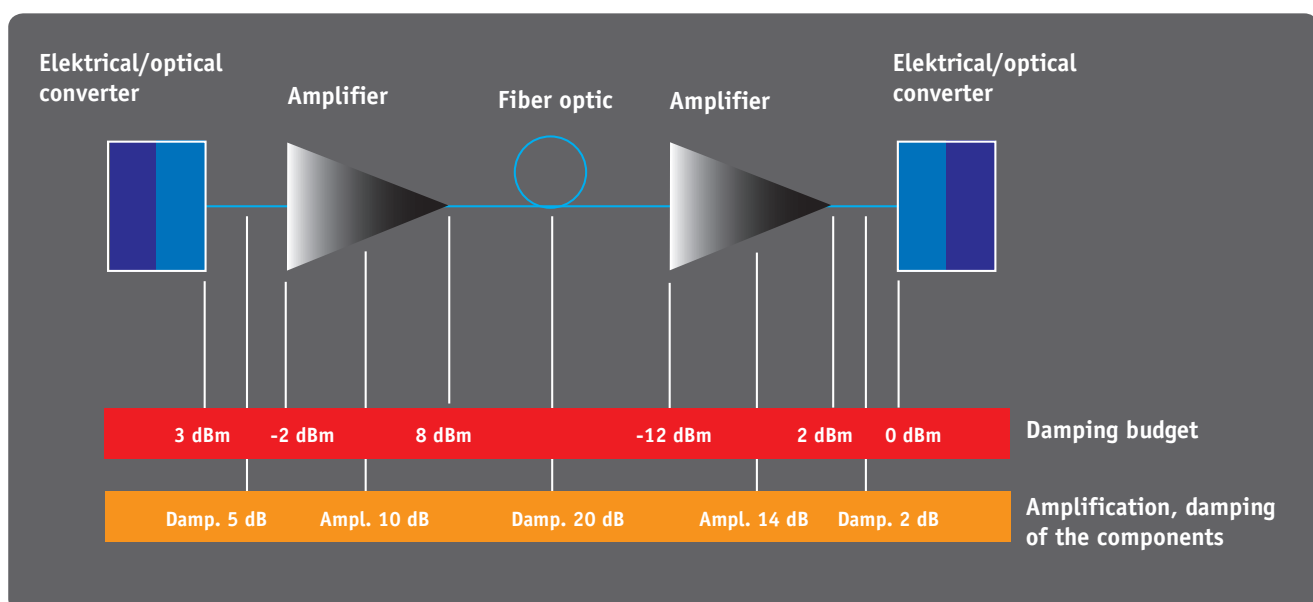
Optical Budget: Most important factor in planning of a fibre optic link

Optical Budget

The most important factor in planning a fibre optic link is the optical budget, which represents the totality of all factors that influence the range on an optical transmission link. The light entering a fibre optic line experiences damping factors on the transmission link. The total optical budget therefore needs to be larger than the losses created on the link due to plug connections, splices and of course the fibre optic cable itself: it must therefore be ensured that the damping factors at the end of a transmission link plus a safety margin are not larger than the available optical budget. If the optical budget is not large enough, optical amplifiers must be used to increase the budget.

Simultaneously, potential overloading of the optical receiver due to insufficient line attenuation must be prevented and attention must be given to establishing a suitable balance and the transmission power damping. This is to be considered particularly over long distances via single-mode fibre optic. Manufacturers therefore usually offer devices with different performance classes, from which the suitable transmitters and receivers can be selected for the relevant application.

The optical budget is therefore the level analysis of the fibre optic link: it starts with the feed level of the transmitter, continues over the damping values of the fibre optic cable, in which the length as well as the damping values of the connector components play a role, and ends with the sensitivity of the optical receiver. Of course, the increase in the level through amplifiers also plays a role. Compliance with this budget is essential for error-free signal transmission. In this context, error-free transmission is a statistical value defined in the form of a maximum permissible bit error rate depending on the transmission protocol. The value is typically 10⁻¹⁰ and higher.



TRANSMISSION | Fiber Optic

Brand: GE Security

D7608-MMEE-S
70486



D7608-MMME-S
70487



D7608-MMMM-E
70485



S700VT-EST
70328



S700VT-MST
70193



S700VT-RST
70197



S702VT-EST
70333



Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Switch	Switch	Converter	Transmitter	Transmitter	Transmitter	Transmitter
Model	Housing	Housing	Housing	Module	Mini module	Board	Module
Channels per fiber	1	1	1	1	1	1	2
Transmission of	Data	Data	Data	Video	Video	Video	Video

Brand: GE Security

S702VT-RST
70253



S703VT-EST
70366



S705VT-RSTL
84657



S707VT-ESTL
70839



S707VT-RSTL
70863



S708VT-EST
97075



S708VT-RST
74179



Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter
Model	Board	Module	Board	Module	Board	Module	Board
Channels per fiber	2	2	1	4	4	8	8
Transmission of	Video	Video	Video	Video	Video	Video	Video

Brand: GE Security

S711DT-EST1
70324



S714D-RST2
72897



S714DT-RST1
84655



S730DVT-EST1
70337



S730DVT-EST2
70357



S730DVT-RST1
70342



S730DVT-RST2
70359



Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter
Model	Module	Board	Board	Module	Module	Board	Board
Channels per fiber	1	1	1	1	1	1	1
Transmission of	Data	Data	Data	Video, Data	Video, Data	Video, Data	Video, Data

Brand: GE Security

S731DVT-EST1
70886



S731DVT-RST1
70889



S732DVT-EST1
70387



S732DVT-EST2
70857



S732DVT-RST1
70842



S732DVT-RST2
70859










S734DVT-EST1
84638










Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter
Model	Module	Board	Module	Module	Board	Board	Module
Channels per fiber	1	1	1	1	1	2	4
Transmission of	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data, Contact

Products in the tables above are sorted by: 1. Operation mode, 2. Type of unit, 3. Type

Brand: GE Security		S739DVT-EST1 70232	S754DAT-RST1 74173	S710D-EST2 70265	S710D-RST2 70264	251D-R-R/18X3 70323	S700VR-EST 70329	S700VR-RST 70196
								
Operation mode		Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit		Transmitter	Transmitter	Transmitter / Receiver	Transmitter / Receiver	Receiver	Receiver	Receiver
Model		Module	Board	Module	Board	Board	Module	Board
Channels per fiber		1	2	1	1	1	1	1
Transmission of		Video	Audio, Data, Contact	Data	Data	Data	Video	Video

Brand: GE Security		S702VR-RST 70236	S703VR-EST 70367	S705VR-RSTL 84656	S707VR-ESTL 70841	S707VR-RSTL 70864	S708VR-RST 74180	S711DR-EST1 70325
								
Operation mode		Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit		Receiver	Receiver	Receiver	Receiver	Receiver	Receiver	Receiver
Model		Board	Module	Board	Module	Board	Board	Module
Channels per fiber		2	2	1	4	4	8	1
Transmission of		Video	Video	Video	Video	Video	Video	Data

Brand: GE Security		S714DR-EST1 84654	S730DVR-EST1 70338	S730DVR-RST1 70343	S730DVR-RST2 70327	S731DVR-EST1 70887	S731DVR-RST1 70888	S731DVT-EST2 70891
								
Operation mode		Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit		Receiver	Receiver	Receiver	Receiver	Receiver	Receiver	Receiver
Model		Module	Module	Board	Board	Module	Board	Module
Channels per fiber		1	1	1	1	1	1	1
Transmission of		Data	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data

Brand: GE Security		S732DVR-EST1 70388	S732DVR-EST2 70858	S732DVR-RST1 70843	S732DVR-RST2 70862	S734DVR-EST1 84639	S734DVR-RST1 97077	S739DVR-EST1 70233
								
Operation mode		Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit		Receiver	Receiver	Receiver	Receiver	Receiver	Receiver	Receiver
Model		Module	Module	Board	Board	Module	Board	Module
Channels per fiber		1	1	1	2	4	4	1
Transmission of		Video, Data	Video, Data	Video	Video	Video, Data, Contact	Video, Data, Contact	Video

Products in the tables above are sorted by: 1. Operation mode, 2. Type of unit, 3. Type

TRANSMISSION | Fiber Optic

Brand: GE Security

S739DVR-EST2
70817



S754DAR-RST1
74174



DE7210M
70483



D7600-MM-E
70799



DE7100MM
70779



D7608-SSEE-S
70489



D7608-SSSE-S
70491



Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Single Mode	Single Mode
Type of unit	Receiver	Receiver	Converter	Switch	Switch	Switch	Switch
Model	Module	Board	Module	Module	Module	Housing	Housing
Channels per fiber	2	2	1	4	4	1	1
Transmission of	Video	Audio, Data, Contact	Data	Data	Data	Data	Data

Brand: GE Security

D7608-SSSS-E
70488



S7714D-ESC2
72898



S7734DVT-EFC1
74177



S7739DVT-EST1
74175



DE7200-S
70832



S7711DR-RFC1
70373



S7731DVR-EST1
97052



Operation mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode
Type of unit	Switch	Transmitter	Transmitter	Transmitter	Transmitter / Receiver	Receiver	Receiver
Model	Housing	Module	Module	Module	Module	Board	Module
Channels per fiber	1	1	4	1	2	1	1
Transmission of	Data	Data	Video, Data, Contact	Video, Data	Data	Data	Video, Data, Contact

Brand: GE Security

S7731DVR-RST1
97053



S7734DVR-EFC1
74178



S7739DVR-RST1
74176



DE7230M
70484



Operation mode	Single Mode	Single Mode	Single Mode	Single Mode
Type of unit	Receiver	Receiver	Receiver	Converter
Model	Board	Module	Module	Module
Channels per fiber	1	4	1	1
Transmission of	Video, Data, Contact	Video, Data, Contact	Video, Data	Data








! Bi-directional systems








All bi-directional systems are available as single and double fibreoptic cable systems. Signals are combined and split by a wavelength multiplexer in single fibreoptic cable systems. Economical double fibreoptic cable transmission is recommended if a sufficient number of cables are installed.





! Optical budget

The optical budget reduces by 3dB when a 50/125µm fibreoptic cable is used.

Brand: OT Systems	FTD110DB-SMR 97164	FTD110DB-SMR 97232	FTD110DB-SMT 97233	FTD110DBMIC-SMR 97165	FTD110DBMIC-SMT 97166	FT200-SMTSA 97194	FT210AB-SMTSA 97205
	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems
							
	Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Receiver	Receiver	Transmitter	Receiver	Transmitter	Transmitter	Transmitter
Model	Board	Mini module	Mini module	Micro module	Micro module	Module	Module
Channels per fiber	1	1	1	1	1	2	2
Transmission of	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data	Video	Video, Audio

Brand: OT Systems	FT210DB-SMTSA 97202	FT400-SMT 97208	FT400-SMTSA 97209	FT800-SMT 97219	FT800-SMTSA 97221	FT810DB-SMT 97237	FTD100-SMT 97154
	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems
							
	Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter
Model	Module	Board	Module	Board	Module	Board	Board
Channels per fiber	2	4	4	8	8	8	1
Transmission of	Video, Data	Video	Video	Video	Video	Video, Data	Video

Brand: OT Systems	FTD100M-SMT 97225	FTD100MICRO-SMT 97156	FTO40DB-SMRT 97191	FTO40DB-SMRTSA 97192	FT200-SMR 97193	FT210AB-SMR 97203	FT210DB-SMR 97201
	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems
							
	Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Transmitter	Transmitter	Transmitter / Receiver	Transmitter / Receiver	Receiver	Receiver	Receiver
Model	Mini module	Micro module	Board	Module	Board	Board	Board
Channels per fiber	1	1	4	4	2	2	2
Transmission of	Video	Video	Data	Data	Video	Video, Audio	Video, Data

Brand: OT Systems	FT400-SMR 97206	FT400-SMRTSA 97207	FT800-SMR 97217	FT800-SMRTSA 97218	FT810DB-SMR 97222	FTD100-SMR 97149	FTD100-SMR3 97153
	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems	OT Systems
							
	Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Receiver	Receiver	Receiver	Receiver	Receiver	Receiver	Receiver
Model	Board	Module	Board	Module	Board	Board	Board
Channels per fiber	4	4	8	8	8	1	3
Transmission of	Video	Video	Video	Video	Video, Data	Video	Video

Products in the tables above are sorted by: 1. Operation mode, 2. Type of unit, 3. Type

TRANSMISSION | Fiber Optic

Brand: OT Systems

FTD100M-SMR
97224

OT Systems



FTD100MICRO-SMR
97228

OT Systems



ET101MIC-MM-2KM
97511

OT Systems



ET102-MM-2KM
70544

OT Systems



ET102C-MM-2KM
70546

OT Systems



ET111MICMM2KMRT
97513

OT Systems



ET111MICMM2KMTR
97512

OT Systems



Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Receiver	Receiver	Converter	Converter	Converter	Converter	Converter
Model	Mini module	Micro module	Micro module	Module	Board	Micro module	Micro module
Channels per fiber	1	1	1	1	1	1	1
Transmission of	Video	Video	Data	Data	Data	Data	Data

Brand: OT Systems

FTD110DB-SSR
97387

OT Systems



FTD110DBM-SSR
97234

OT Systems



FTD110DBM-SST
97235

OT Systems



FTD110DBMIC-SST
97167

OT Systems



FT210DF-SSTSA
97196

OT Systems



FT210DR-SSTSA
97199

OT Systems



FT400-SST
97212

OT Systems



Operation mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode
Type of unit	Receiver	Receiver	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter
Model	Board	Mini module	Mini module	Micro module	Module	Module	Board
Channels per fiber	1	1	1	1	2	2	4
Transmission of	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data	Video, Data	Video

Brand: OT Systems

FTD100-SST
97152

OT Systems



FTD100M-SST
97227

OT Systems



FTD100MICRO-SST
97157

OT Systems



OTS400-ST-SA
70471

OT Systems



FT210DF-SSRSA
97195

OT Systems



FT210DR-SSRSA
97198

OT Systems



FT400-SSR
97211

OT Systems



Operation mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Receiver	Receiver	Receiver
Model	Board	Mini module	Micro module	Module	Module	Module	Board
Channels per fiber	1	1	1	4	2	2	4
Transmission of	Video	Video	Video	Video	Video, Data	Video, Data	Video

Brand: OT Systems

FTD100-SSR
97158

OT Systems



FTD100-SSR3
97161

OT Systems



FTD100M-SSR
97226

OT Systems



FTD100MICRO-SSR
97229

OT Systems



ET101MICSM-20KM
97514

OT Systems



ET102-SM-20KM
70545

OT Systems



ET102C-SM-20KM
70547

OT Systems



Operation mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode
Type of unit	Receiver	Receiver	Receiver	Receiver	Converter	Converter	Converter
Model	Board	Board	Mini module	Micro module	Micro module	Module	Board
Channels per fiber	1	3	1	1	1	1	1
Transmission of	Video	Video	Video	Video	Data	Data	Data, Video, Audio

Products in the tables above are sorted by: 1. Operation mode, 2. Type of unit, 3. Type

Brand: OT Systems

ET111MICSM20KRT
97516

OT Systems



ET111MICSM20KTR
97515

OT Systems



Operation mode	Single Mode	Single Mode
Type of unit	Converter	Converter
Model	Micro module	Micro module
Channels per fiber	1	1
Transmission of	Data	Data

Brand: Pelco

FS85011AMST
70979

PELCO



FT8101MSTR
70903

PELCO



FT8301AMST
70904

PELCO



FT8301AMSTR
70905

PELCO



FT8304MSTR
70906

PELCO



FT8308MSTR
70907

PELCO



FT85011AMSTR
70978

PELCO



Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter	Transmitter
Model	Board	Housing	Mini module	Housing	Housing	Housing	Housing
Channels per fiber	1	1	1	1	4	8	1
Transmission of	Video, Data	Data	Video	Video	Video	Video	Video, Data

Brand: Pelco

FT85041MSTR
70909

PELCO



FT85081MSTR
70910

PELCO



FR8101AMSTR
70980

PELCO



FR8101MSTR
70894

PELCO



FR8301AMSTR
70895

PELCO



FR8304MSTR
70896

PELCO



FR8308MSTR
70897

PELCO



Operation mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Transmitter	Transmitter	Receiver	Receiver	Receiver	Receiver	Receiver
Model	Housing	Housing	Module	Housing	Module	Module	Module
Channels per fiber	4	8	1	1	1	4	8
Transmission of	Video, Data	Video, Data	Data	Data	Video	Video	Video

Brand: Pelco

FR85011AMSTR
70977

PELCO



FR85041MSTR
70899

PELCO















































FR85081MSTR
70901











PELCO














Operation mode	Multi Mode	Multi Mode	Multi Mode
Type of unit	Receiver	Receiver	Receiver
Model	Housing	Module	Module
Channels per fiber	1	4	8
Transmission of	Video, Data	Video, Data	Video, Data








Products in the tables above are sorted by: 1. Operation mode, 2. Type of unit, 3. Type








515R1 70213  	517R1 70284  	51FP-1 70214  	51FP-2 70215  	51FP-4 70216  	51FP-8 70217  	515PS1 70287  
19" Rack Mounting 19" Card Cage Assembly for 15 Fibre Optic Cards, with Power Supply	19" Rack Mounting 19" Card Cage Assembly for 17 Fibre Optic Cards, without Power Supply	19" Rack Mounting Blank Panel Plate 1TE	19" Rack Mounting Blank Panel Plate 2TE	19" Rack Mounting Blank Panel Plate 4TE	19" Rack Mounting Blank Panel Plate 8TE	Power Supplies Replacement or additional Power Supply Unit, 230VAC/13,5VDC(6A) for 515R
517EPS1 70285  	615P-1/EU 70243  	502R 70245  	ET-C12 70549  	FT-C18 97168  	RK5000-3U 70986  	RK5000PS-3U 70987  
Power Supplies Power Supply 230VAC/13,5VDC(2X9A) Dual Output, for two 19" racks 517R	Power Supplies Power Supply Unit 230VAC/13,8VDC (850mA) stabilized	Product Addition 2 Slot Mini Rack	19" Rack Mounting 19" Card Cage Assembly for 12 Fiber Optic Cards, ET Series, with PSU	19" Rack Mounting Rack Mount Chassis for 18 Fiber Optic Card Modules, Power Supply included	19" Rack Mounting 19"Chassis for Fiber Optic & UTP Modules max. 14 Modules, External PSU required	19" Rack Mounting 19"Chassis for Fiber Optic & UTP Modules max. 12 Modules, PSU included
WM5001-3U 70915  	WM5001-3UEXP 70916  	WM5002-3U 70917  	WM5002-3UEXP 70918  	WM5003-3U 70919  	WM5003-3UEXP 70920  	WM5004-3U 70921  
Mounting Wall Mount Base Kit for Single Width Modules	Mounting Wall Mount Expansion Kit for Single Width Modules	Mounting Wall Mount Base Kit for Double Width Modules	Mounting Wall Mount Expansion Kit for Double Width Modules	Mounting Wall Mount Base Kit for Triple Width Modules	Mounting Wall Mount Expansion Kit for Triple Width Modules	Mounting Wall Mount Base Kit for Quad Width Modules
WM5004-3UEXP 70922  						
Mounting Wall Mount Expansion Kit for Quad Width Modules						

Brand: Salesmark	FVÜ700DIG/E 78076	TCR PTP VIDEO 78092	DFM25/868/WF/OF 78089	DFM50/868/WF/OF 78091	FVÜ5802DIG/S/P 78075
					
					
	Antenna type	planar	omni-directional	omni-directional	omni-directional
	Operation mode	Active	Active	Active	Active
Type of unit	Receiver	Transmitter / Receiver	Transmitter / Receiver	Transmitter / Receiver	Transmitter
Signal transmission	Video, Audio, Data	Video, Audio, Data	Data	Data	Video, Audio, Data
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Protection rating	IP 20	IP 66	IP 66	IP 66	IP65
Comments			Transmission range: 1200 m max.	Transmission range: 8 km max.	Transmission range: depend on system configuration

Brand: Salesmark	<div>FVÜ5802FM/E/WF 78025</div> <div>SALES MARK</div> <div></div>	<div>FVÜ5802DIG/S/WF 78084</div> <div>SALES MARK</div> <div></div>	<div>FVÜMINIDIG/S/P 97239</div> <div>SALES MARK</div> <div></div>	<div>FVÜ5802FM/S 78028</div> <div>SALES MARK</div> <div></div>	
	Antenna type	planar	omni-directional	n/a	omni-directional
	Operation mode	Active	Active	n/a	Active
	Type of unit	Receiver	Transmitter	Transmitter	Transmitter
	Signal transmission	Video, Audio, Switch contact	Video, Audio, Data	Video, Audio	Video, Audio, Switch contact
Supply voltage	12VDC	12VDC	12VDC	12VDC	
Protection rating	IP66	IP66	n/a	n/a	
Comments		Transmission range: depend on system configuration		Transmission range: depend on system configuration	

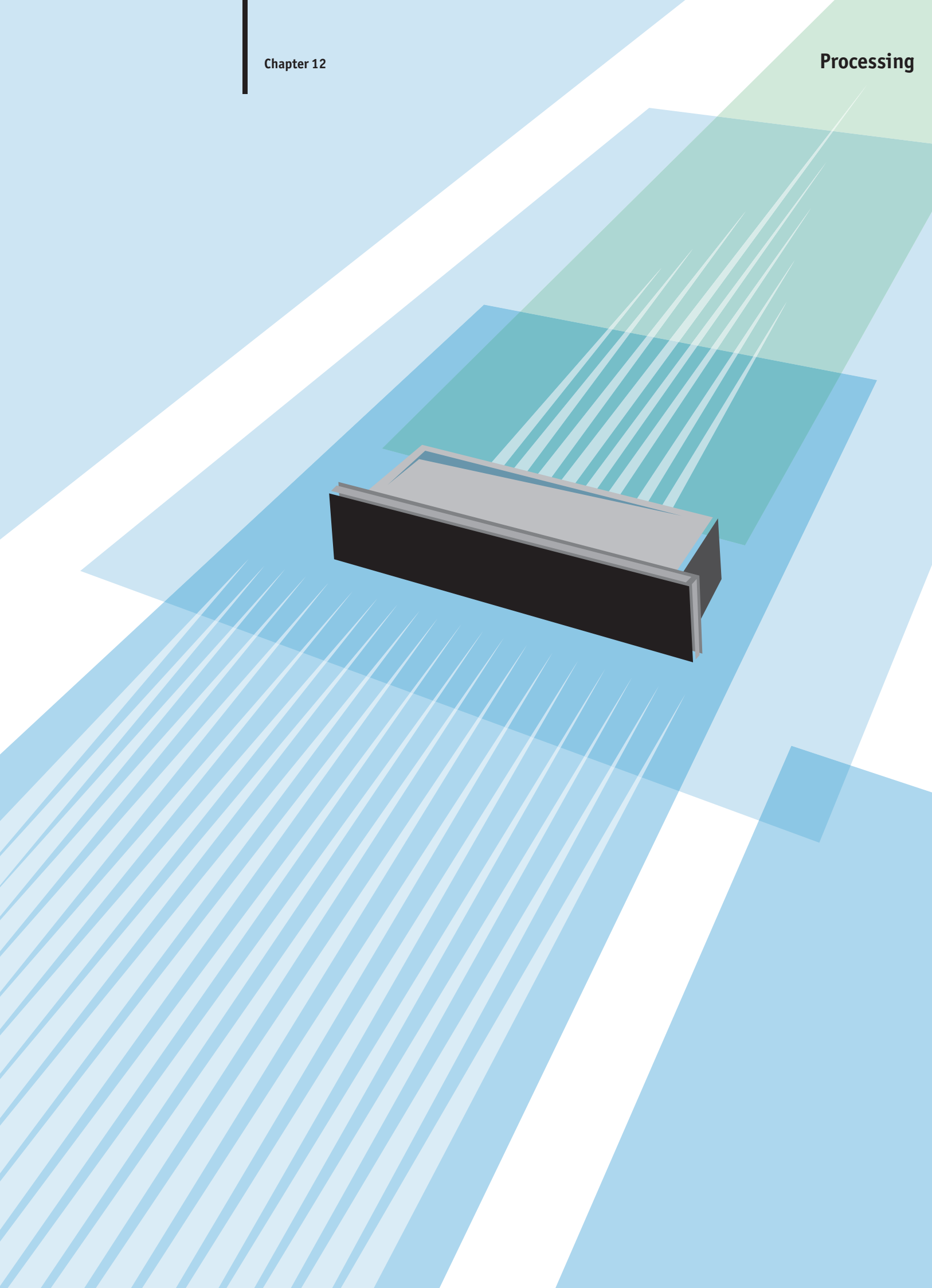
ANKA/0,5/N/N 78083	ANKA/0,5/N/SMA 78082	ANKA/0,5/SMA 78037	ANKA/1,5/N/SMA 78038	KA/10/N/SMA 78081	HALT/GEH/WF 78027	ADAP/N/SMA/SBU 78078
SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK
						
Cables	Cables	Cables	Cables	Cables	Mounting	Plugs / Sockets / Tools
Antenna Cable 0.5m	Antenna Cable 0.5m	Antenna Cable 0,5m for weatherproof Receiver	Antenna Cable 1.5m for receiver	Connection Cable Converter-Transmitter, 10m	Pole Mount Adapter for Weatherproof Housings, up to 63mm Pole Diameter	Adapter N Jack to SMA Female

FVÜ5802FM/E/NT 78010	FVÜ5802FM/S/NT 78012	STENE/12/1,3/H 78077	STENE/12/1,3/O 78085	ANPLA/14/5802 78035	ANPLA/23/5802 78074	ANRU/0/5802/E 78039
SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK
						
Power Supplies	Power Supplies	Power Supplies	Power Supplies	Product Addition	Product Addition	Product Addition
Power Supply Unit 230VAC/12VDC (1.3A) for FVÜ5802FM/E w. 2 pin Binder female	Power Supply Unit 230VAC/12VDC (1.3A) for FVÜ5802FM/S w. 6 pin Connector	Plugable Power Supply Unit 12VDC with DC Plug	Plugable Power Supply Unit flying end f. Transmitter/Rceiver (Wheatherproof)	Planar Antenna, weatherproof, Amplification 14dB, horizontal Flare Angle 36°	Planar Antenna, weatherproof, Amplification 23dB, incl. Pole Mount Adapter	Omni-directional Antenna for Indoor Receiver, Amplification 0dB











ANRU/0/5802/S 78031	ANRU/0/5802/SWF 78086	ANRU/0/5802/SWI 78032	ANRU/5/868 78063	CONV/5802/U/1WF 78079	DG/10/5802 78073	FVÜ5802FM/S/2WF 78034
SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK	SALES MARK
						
Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition
Omni-directional Antenna for Transmitter, straight SMA Plug	Omni-directional Antenna f. Weatherproof Housing with PVC Tube	Omni-directional Antenna for Transmitter, L Piece, SMA Plug	Data antenna, 5dB, for 868MHz modem	5.8GHz Converter, Wheatherproof	Attenuation Adapter 10dB f. AN-PLA/14/5802	Transmitter Extension FVÜ5802FM/S/2WF for 1 Audio and 1 potential free Contact

FVÜ5802FM/S/WF 78033
SALES MARK

Product Addition
5.8GHz Transmitter in weatherproof Housing, 15 Channels adjustable, 12VDC



	SMX-25632 120033  	CM6700-MXB2-X 75015  	CM6700-MXB4-X 73575  	CM6800-32X6-X 73991  	CM6800-96X16-X 73135  
Camera control	Coax	Serial	Serial	Serial	Coax
Video inputs (amount)	64	16	16	32	96
Video outputs (amount)	32	2	4	6	16
Video inputs loop-through	no	yes	yes	yes	yes (80)
Alarm inputs					16 Alarm inputs individually programmable for NO or NC contacts
Alarm outputs	-	1x Relais output, 2x open collector	1x Relais output, 2x open collector	1x Relais output 1x open collector (plus an additional 128, via 2x REL2064, Relais interface unit)	4x Relais outputs (125V, 0.5A 30VDC, 1A) 2x open collector (plus an additional 256, via 4x REL2064, Relais interface unit)
Control Interface		RS-232, RS-422, RS-485	RS-232, RS-422, RS-485	5x RS-232, RS-485 (1 data port powered for keyboards, M protocol), 1x RS-422 PTZ control port	12x RS-232, RS-485 (2 data port powered for keyboards, M protocol), 4x RS-422 PTZ control port
Keyboard	16 Keyboards max.	8 Keyboards max. (up-to 1200m)	8 Keyboards max. (up-to 1200m)	10 Keyboards max. (8x KBD100/200/300, 2x KBD960)	18 Keyboards max. (16x KBD100/200/300, 2x KBD960)
Menu languages		English	English	English, French, German, Italian, Portuguese, Spanish	English, French, German, Italian, Portuguese, Russian, and Spanish

	CM6800E-48X8-X 73098  	EKR-16/4 75208  	EKR-32/8 75206  	EKR-8/4 75202  	MMX 90556  
Camera control	Coax	Serial	Serial	Serial	no
Video inputs (amount)	48	16	32	8	16
Video outputs (amount)	8	4	8	4	9
Video inputs loop-through	yes (40)	no	no	no	yes
Alarm inputs	8 Alarm inputs individually programmable for NO or NC contacts	Up to 16 (NO/NC)	Up to 32	Up to 16 (NO/NC)	16
Alarm outputs	2x Relais outputs (125V, 0.5A 30VDC, 1A) 1x open collector (plus an additional 256, via 4x REL2064, Relais interface unit)	Relay output, 50VAC/0.3A resistive	8x Relay contact, 50VAC/0.3A resistive	Relay output, 50VAC/0.3A resistive	2
Control Interface	8x RS-232, RS-485 (2 data port powered for keyboards, M protocol), 2x RS-422 PTZ control port	RS-485 (Protocols: Videor, Pelco D, Videotec)	RS-485 (Protocols: Videor, Pelco D, Videotec)	RS-485 (Protocols: Videor, Pelco D, Videotec)	
Keyboard	18 Keyboards max. (16x KBD100/200/300, 2x KBD960)	4x keyboards max. via RS-485 interface	8x keyboards max. via RS-485 interface	4x keyboards max. via RS-485 interface	KBD-NSC-100
Menu languages	English, French, German, Italian, Portuguese, Russian, and Spanish	English, German, Italian, French	English, German, Italian, French	English, German, Italian, French	English



MMX: The new Matrix System from eneo

The new generation of matrix systems is called MMX, bears the eneo brand and combines a matrix, quad and multi-

plexer in one unit. Designed to meet the requirements of small to medium-sized control centres, the multifunctional "3-in-11 matrix system" excels not only through its flexible fields of application, but also through its high user-friendliness, simplified installation as well as beneficial cost effectiveness. As there is no longer any need for expensive additional components such as multiplexers and quads, the network-capable MMX also considerably reduces purchase and operation costs for applications. Digital recording can be fully integrated and managed in the MMX whenever this is a system requirement.

Optimum for medium-sized applications

Expansion and adaptation of normal matrixes is normally quite expensive, but the MMX system consists of a single system module that can be programmed optionally as a master, slave or spot unit. This means that existing systems can be expanded cost-efficiently without any problems. The manufacturer states that products with a comparable functionality do not exist for medium-sized applications. Potential applications include bus and rail stations, department stores, manufacturing plants and hotels. With full scalability, eneo's MMX offers many additional functions such as motion and image loss detection, alarm out

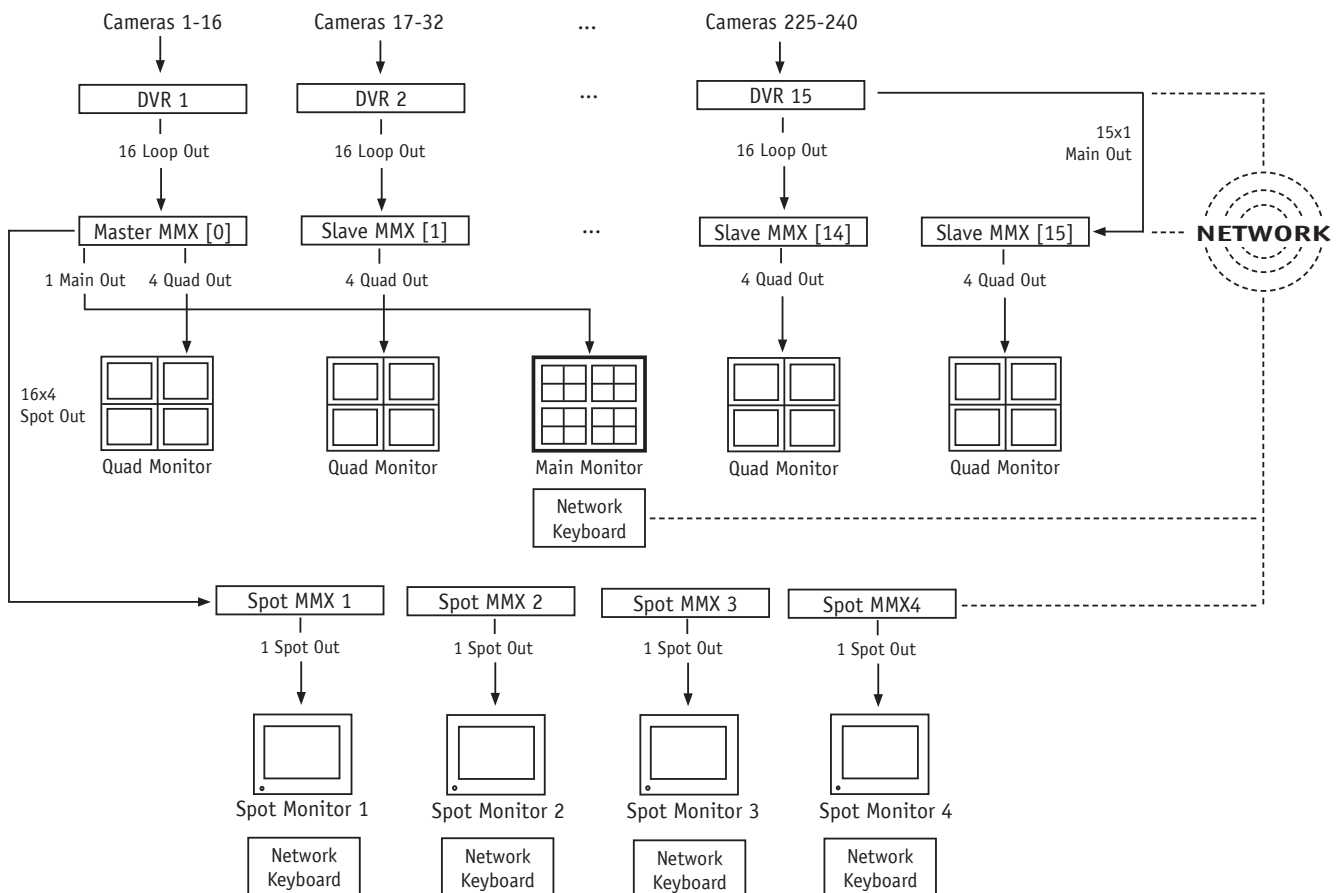
control and event notification by e-mail, all of which are easily configured over network with the user-friendly installation program.






Simple and fast configuration

Thanks to its intuitive menu prompting the MMX can be set up with a few mouse clicks by anyone who has knowledge of Windows. eneo's matrix system is based on a master MMX with any number of MMX slaves. The master supplies all information and controls the slaves. Therefore only the master is configured – regardless of how many slaves are used.



User-defined layout

It is possible to show a matrix system of 16 to 256 cameras when several MMX units are connected to each other. Operators can access live images and recordings from all installed cameras on their personal monitor. Additionally, there is no longer any need for additional quads as each MMX module has four quad outputs. Monitors connected to these outputs can be used for event monitoring as well as for continuous observation. Whilst standardised matrix units normally require further multiplexers for simultaneous replay of several images on a single monitor, the MMX has a main output upon which numerous pictures are displayed in a user-defined layout. Operators can therefore specify up to ten different layouts and select them on the keyboard. By the way, with its KBD-NSC-100 eneo provides a keyboard optimised to the MMX. The combination of both devices produces an optimal basis for an easy-to-install and flexibly expandable matrix system.







	MX4016MD-X 73587 	MX4009CD-X 73582 	MX4009CS-X 73588 	MX4016CD-X 73583 	MX4016CS-X 73589 
Colour system	black/white	colour	colour	colour	colour
Operation mode	Duplex	Duplex	Simplex	Duplex	Simplex
Video inputs	16x 1 Vp-p, (C)VBS, 75 ohms, BNC (loop-through with programmable 75 ohms termination) 1 Vp-p, (C)VBS, 75 ohms, BNC (VCR playback)	9x 1 Vp-p, CVBS, 75 ohms, BNC (loop-through with programmable 75 ohms termination) 1 Vp-p, CVBS, 75 ohms, BNC (VCR playback)	9x 1 Vp-p, CVBS, 75 ohms, BNC (loop-through with programmable 75 ohms termination) 1 Vp-p, CVBS, 75 ohms, BNC (VCR playback)	16x 1 Vp-p, CVBS, 75 ohms, BNC (loop-through with programmable 75 ohms termination) 1 Vp-p, CVBS, 75 ohms, BNC (VCR playback)	16x 1 Vp-p, CVBS, 75 ohms, BNC (loop-through with programmable 75 ohms termination) 1 Vp-p, CVBS, 75 ohms, BNC (VCR playback)
Alarm input					
Alarm outputs	9 (external NO/NC contacts)	9 (external NO/NC contacts)	9 (external NO/NC contacts)	9 (external NO/NC contacts)	9 (external NO/NC contacts)
On-screen displays	Time/date/camera title (12-characters), alarm status	Time/date/camera title (12-characters), alarm status	Time/date/camera title (12-characters), alarm status	Time/date/camera title (12-characters), alarm status	Time/date/camera title (12-characters), alarm status








Products in the tables above are sorted by: 1. Brand, 2. Colour system, 3. Type








	VBQ-6045 72613 	VCQ-6057 72614 
	S/W-Quad-Splitter, 720x625, Alarm Ein-/Ausgänge, 12VDC/230VAC	Farb-Quad-Splitter, 1024x625, Alarm Ein-/Ausg., 12VDC/230VAC, 1/2-19"
Resolution	720x625 Pixels	1024x625 Pixels
Video inputs	4x 1Vp-p, 75ohms, BNC, loop-through	4x 1Vp-p, 75ohms, BNC, loop-through
Video outputs	Monitor: 1Vp-p, 75ohms, BNC (Full and Quad)VCR: 1Vp-p, 75ohms, BNC (Quad only)	Monitor: 1Vp-p, 75ohms, BNC (Full and Quad)VCR: 1Vp-p, 75ohms, BNC (Quad only)
Serial interfaces	RS-232	RS-232
Alarm outputs	NO/NC contact, 1A/24VDC. Alarm dwell time: 1 sec. to infinity (adjustable)	NO/NC contact, 1A/24VDC. Alarm dwell time: 1 sec. to infinity (adjustable)
Alarm inputs	4x for NO/NC contacts	4x for NO/NC contacts

Products in the tables above are sorted by: 1. Brand, 2. Type

	AVU-8/2AL-2 76406	AVU-8/2EC 76405	VDA-4A 75101	VDA-8CA 75102
				
	Video Switcher 8 In/2 Outputs, Alarm Inputs, 230VAC, Desktop Housing	Video Switcher 8 Inputs, 2 Outputs in Desktop Housing, 230VAC	Video Signal Distributor 1 Input, 4 Outputs, in Housing, 230VAC	Video Signal Distributor 1-4 Inputs 2-8 Outputs, Configurable, 230VAC
Video inputs	8x 1 ~ 1.5Vp-p, (C)VBS, 75ohms, BNC	8x 1 Vp-p, (C)VBS, 75 ohms, BNC	1.0 ~ 2.0Vp-p (C)VBS, 75ohms, BNC	Up to 4x 1.0 ~ 2.0Vp-p, (C) VBS, 75ohms, BNC
Video outputs	2x 1Vp-p, (C)VBS, 75ohms, BNC (programmable as spot or sequence output)	2x 1Vp-p, (C)VBS, 75ohms BNC (A and B selectable as spot or sequence outputs)	4x 1.0 ~ 2.0Vp-p, (C)VBS, 75ohms, BNC	2 ~ 8x 1.0 - 2.0Vp-p (C) VBS, 75ohms, BNC
Signal-to-noise ratio	60db	60db	55dB	55dB
Video signal bandwidth	10MHz +/-3db	10MHz +/-3db	0 ~ 10MHz (+/-3db)	0 ~ 10MHz (+/-3db)
Temperature range	0 ~ +50°C	0°C ~ +35°C	0 ~ +50°C	0°C ~ +50°C
Supply voltage	230VAC/50Hz	15VAC, 50/60Hz	230VAC/50Hz	230VAC/50Hz

Products in the tables above are sorted by: 1. Brand, 2. Type

VDA/AVU-RMK1 76407	VDA/AVU-RMK2 76408	VQ6057/6045RMK1 72556	VQ6057/6045RMK2 72557	EKR-8/16-4KB 75205	EKR-KB1 75207	KBD-NSC-100 74746
						
19" Rack Mounting	19" Rack Mounting	19" Rack Mounting	19" Rack Mounting	Input Devices	Input Devices	Input Devices
19" Rack Mount Kit for 1xVDA-8CA and AVU-8/2AL-2	19" Rack Mount Kit for 2xVDA-8CA and AVU-8/2AL-2	19" Rack Mount Kit for 1x ENEO Quad Splitter VQ-6057 and VBQ-6045	19" Rack Mount Kit for 2x ENEO Quad Splitters VQ-6057 and VBQ-6045	Universal Keyboard for Matrix Switchers EKR-8/4, EKR-16/4, Pantone Coolgray 1C	Universal Keyboard for Matrix Switchers EKR Series, Pantone Coolgray 1C	Network System Controller with 3-Axis Joystick and Jog Shuttle, 12VDC

EGLC-3 72612	EKR-EB 75203	EKR-PTZFI-CB 75211	EKR-PTZFI-R1 75209	EKR-PTZFI-R2 75212	LINE DRIVER 71003	PDU-1 72441
						
Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition	Product Addition
Ground-loop corrector BNC/BNC	Expansion kit to 16 Inputs/4 Outputs for EKR-8/4	Coax Telemetry Board for EKR-PTZFI-R1 Receiver	RS-232/RS-485 Telemetry Preset Receiver 230VAC, for P/T Heads 24V/230VAC	RS-232/RS-485/Coax Telemetry Receiver for 230VAC Input and P/T Heads	Gender Adapter RS232C/RS485 + DB9/DB25	Protocol distributor 1/8 in Desktop Housing, Unidirectional, 2VDC/230VAC

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type

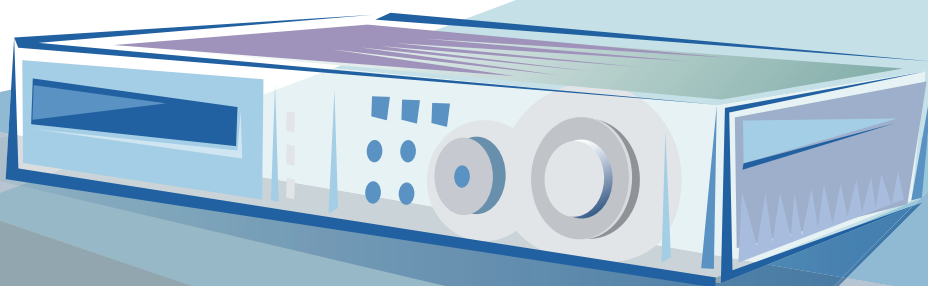
<div>PTB-1 72501</div> <div> </div>	<div>VAM-2 72686</div> <div> </div>	<div>VBQ6044/VCQ6056 72284</div> <div> </div>	<div>VKE-1N-1 76941</div> <div> </div>	<div>CM9760-KBD-EU 73595</div> <div> </div>	<div>KBD200A 73744</div> <div> </div>	<div>KBD300A 73743</div> <div> </div>
Product Addition Protocol Translator Board, 12VDC for Build-in VHM/ST Housing Series	Product Addition Video/Audio HF-Modulator, AV Signal Converting into UHF, 12VDC/230VAC	Product Addition Cable Remote Ctrlor VBQ-6044/ VCQ-6056 Quads, 10m Cable	Product Addition Video Cable Equalizer 1 Input, 230VAC	Input Devices Universal Keyboard with Joystick for Matrix Switchers CM9740/ CM9760, 230VAC	Input Devices System Keyboard for Pelco Matrix Switchers CM6700/6800 and Esprit Systems	Input Devices System Keyboard with Joystick for Pelco Matrix Switchers CM6700/6800 and Esprit

<div>KBD4000 73578</div> <div> </div>	<div>KBD4002 73529</div> <div> </div>	<div>KBD960 73993</div> <div> </div>	<div>ALM2064-X 73994</div> <div> </div>	<div>CM9760-ALM-X 73596</div> <div> </div>	<div>CM9760-CDU-T 73467</div> <div> </div>	<div>CM9760-CXTA-X 73675</div> <div> </div>
Input Devices Keyboard with Joystick for Telemetry Control	Input Devices Keyboard for Pelco Multiplexers	Input Devices System Keyboard with Joystick for Pelco Matrix Switchers CM6800	Product Addition Alarm Interface Unit, 64 Inputs for CM6800	Product Addition Alarm Interface Unit f. Matrix Switchers CM9740/9760, 64 Alarm Inputs, 230VAC	Product Addition 16-Channel RS-422 Code Distribution Unit, unidirectional	Product Addition Coaxitron Protocol Translator for 16 Domes or Pan/Tilt Heads, 230VAC

<div>CX9024RX-PP220 72367</div> <div> </div>	<div>EA2000/220 73571</div> <div> </div>	<div>ERD2200 72349</div> <div> </div>	<div>ERD97P21-U 73904</div> <div> </div>	<div>KBD100 73404</div> <div> </div>	<div>KBDKIT-X 73419</div> <div> </div>	<div>REL2064-X 73995</div> <div> </div>
Product Addition Coax Positioning Telemetry Receiver for 24VAC Pan/Tilt Heads, 230VAC	Product Addition Equalizing Amplifier for Coaxitron/Telemetry Control	Product Addition Coax Telemetry Receiver for 24VAC Pan/Tilt Heads, 230VAC	Product Addition RS-422 Outdoor Receiver for „P“ Protocol, 24VAC/240VAC	Product Addition Keyboard for Pelco Matrix Switchers CM6700/ CM6800	Product Addition Connection Kit for KBD Keyboards	Product Addition Relay Interface Unit, 64 Outputs, 230VAC

<div>SME-25632 120031</div> <div> </div>	<div>SMV-25632 120032</div> <div> </div>	<div>SCC-3100A 120002</div> <div> </div>
Video Matrix Extension Bay, 64 Cameras (max.), up to 3 per system	Matrix Switcher Expansion Unit, 2 Mon Outputs, 64 Cameras, up to 16 per Frame	Input Devices System Controller for PTZ Dome Cameras, DVRs and Matrix Switchers, max 255 units

Products in the tables above are sorted by: 1. Brand, 2. Category, 3. Type



RECORDING

An overview of compression procedures

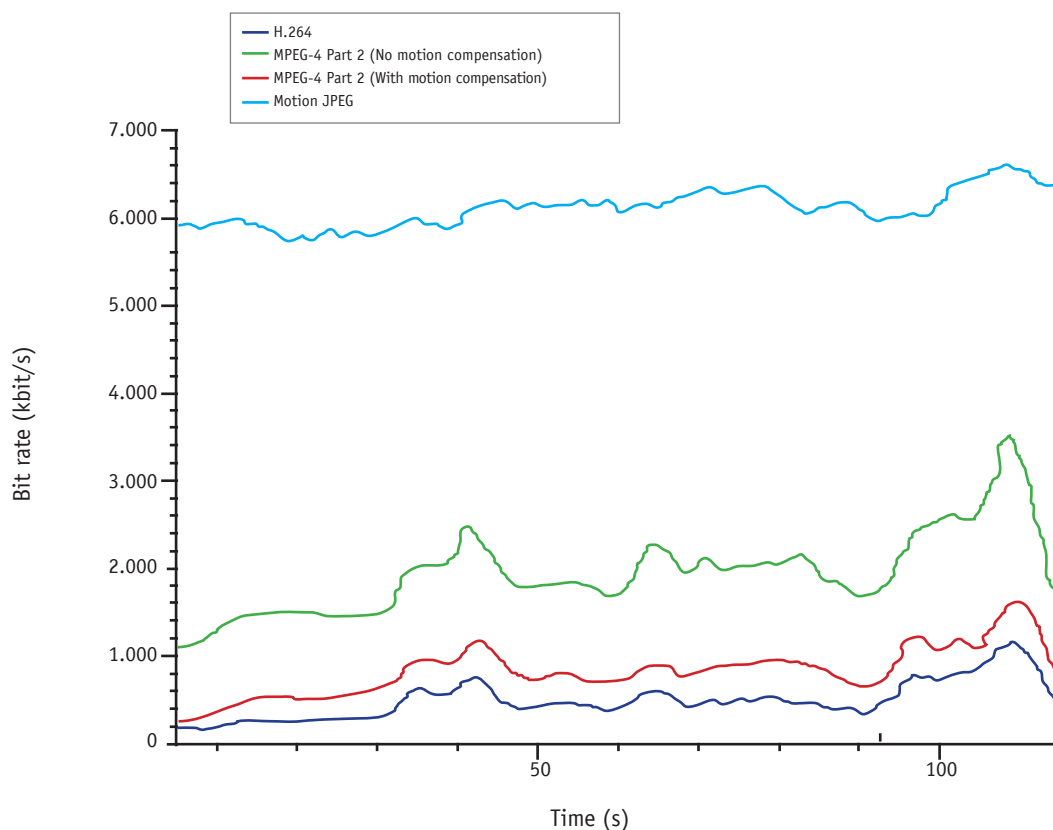
H.264/MPEG-4 AVC represents a standard for highly efficient video compression. MPEG-4/AVC differs significantly from MPEG-4/ASP. Typically, H.264 attains three times the coding efficiency of H.262 (MPEG-2) and is also designed for high-resolution image data (e.g. HDTV). Comparable quality is achieved with approximately one third of the data required for MPEG-2. However, the computation outlay is also around 2 to 3 times higher.

JPEG 2000 is based on wavelet transforms (DWT). JPEG 2000 offers both loss-free and lossy compression. Using the standard, very good compression rates can be attained for lossy image data that is to be saved. By using wavelet transforms, JPEG 2000 avoids disruptive pixelation effects at high compression, unlike JPEG-1. Instead of this, the images tend to be blurred and to have shadows where there are hard contrasts.











Motion JPEG (MJPEG) is a video codec where every individual image is compressed separately as a JPEG image. Unlike videos compressed using MPEG, the quality of those compressed with MJPEG is independent of the movement of the image. Due to the fact that all individual images are compressed, this format makes it possible to cut a video clip down to the precise image, without the need to recode it.











MPEG-2 is a generic MPEG standard for video coding with video compression and audio coding with audio compression. In both cases it is lossy compression. MPEG-2 retains the significant characteristics of MPEG-1: Separation of the colour information from the black and white image and coarsening of this information, as the human eye also perceives colour differences as being coarser than differences in brightness. When it comes to video, the MPEG-2 standard aims for higher quality and therefore better rates of data than its predecessor.

MPEG-4 is an MPEG standard that describes procedures for compression of video and audio data, among other things. Originally, the aim of MPEG-4 was to support systems with fewer resources or smaller bandwidths, with relatively small impact on quality. In addition to video decoding, some audio standards were also incorporated into the standard, for example Advanced Audio Coding (AAC), which was already standardised in MPEG-2.








Source: Axis Technical guide to network video. ©2008 Axis Communications






	CAMDISC HNVR10 97122	DIREX-M.SD 72883	CAMSERVER 2 320 97384	CAM4MOBILE 4 72724	CAMDISC SVR 4 72704
					
					
Channels Video / IP / Audio	8 (opt.) / 10 / 1	1 / - / 1	2 / - / 1	4 / - / -	4 / 10 / 1
Resolution max.	720 x 288	704 x 576	720 x 288	720 x 288	720 x 288
Max. recording rate	25fps	25fps	50fps	25fps	25fps
Operation mode	n/a	n/a	n/a	Triplex	Triplex, Hybrid
Integrated writer	no	no	no	no	no
HHD (integral) / (max.)	0GB / 1000GB	0GB / 32GB	320GB / 320GB	0GB / 250GB	0GB / 1000GB
Compression standard	MJPEG	MPEG4	JPEG, MJPEG	MJPEG, JPEG	MJPEG, JPEG
Main exits	CVBS	CVBS	CVBS	CVBS	CVBS
Remote access	Remote Software, Browser	Remote Software	Browser, Remote Software	Remote Software, Browser	Remote Software, Browser
Storage interfaces	Network	SD(HC) Card	Network	Network	Network
Certificates	CE	CE	CE	CE	CE, BGV Kassen

	CAMDISC SVR 4S 72808	DLS-4 72894	DLS-4 BANK 72847	DIREX-PRO.A40 73956	DIREX-PRO.60 73930
					
					
Channels Video / IP / Audio	4 / 10 / 1	4 / - / 4 (opt.)	4 / - / 4 (opt.)	4 / - / 2	4 / - / 2
Resolution max.	720 x 288	704 x 576	704 x 576	512 x 288	512 x 288
Max. recording rate	100fps	200fps	200fps	20fps	20fps
Operation mode	Triplex, Hybrid	PentaplexPlus	PentaplexPlus	Triplex	Triplex
Integrated writer	no	no	no	no	no
HHD (integral) / (max.)	0GB / 1000GB	0GB / 2000GB	0GB / 2000GB	40GB / 40GB	60GB / 60GB
Compression standard	MJPEG, JPEG	H.264	H.264	MPEG4	MPEG4
Main exits	CVBS	CVBS, VGA	CVBS, VGA	no	no
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	Network	USB	USB	USB	USB
Certificates	CE, BGV Kassen	CE	CE, BGV Kassen	CE	CE











Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type











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	DIREX-PRO.120 72884	SVR-440NWH160 120083	DLR1.1-04/250V 72687	DLR3-04/250 72694	DLS-4/250 72895
					
Channels Video / IP / Audio	4 / - / 2	4 / - / 4	4 / - / -	4 / - / 4	4 / - / 4 (opt.)
Resolution max.	512 x 288	704 x 576	672 x 544	672 x 544	704 x 576
Max. recording rate	20fps	100fps	100fps	100fps	200fps
Operation mode	Triplex	Triplex	Duplex	Triplex	PentaplexPlus
Integrated writer	no	no	no	CD	no
HHD (integral) / (max.)	120GB / 120GB	160GB / 1000GB	250GB / 750GB	250GB / 1500GB	250GB / 2000GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	H.264
Main exits	no	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB	USB	USB	USB
Certificates	CE	CE	CE	CE	CE

	DLS-4/250 BANK 72848	SVR-450NWH250 97045	BCR-3004/320DV 72663	DLR3-04/500 72777	DLS-4/500 BANK 79698
					
Channels Video / IP / Audio	4 / - / 4 (opt.)	4 / - / 4	4 / - / -	4 / - / 4	4 / - / 4 (opt.)
Resolution max.	704 x 576	704 x 576	704 x 576	672 x 544	704 x 576
Max. recording rate	200fps	100fps	100fps	100fps	200fps
Operation mode	PentaplexPlus	Triplex	Pentaplex	Triplex	PentaplexPlus
Integrated writer	no	CD	DVD	CD	no
HHD (integral) / (max.)	250GB / 2000GB	250GB / 1000GB	320GB / 2000GB	500GB / 1500GB	500GB / 2000GB
Compression standard	H.264	MPEG4	MPEG-4 ASP	MPEG4	H.264
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB	USB	USB	USB
Certificates	CE, BGV Kassen	CE	CE	CE	CE, BGV Kassen

Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type

	DLR3-04/750 72778	DLS-4/750 72896	DLS-4/750 BANK 72849	BCR-3004/820DV 72886	DLR3-04/1000 72779
					
					
Channels Video / IP / Audio	4 / - / 4	4 / - / 4 (opt.)	4 / - / 4 (opt.)	4 / - / -	4 / - / 4
Resolution max.	672 x 544	704 x 576	704 x 576	704 x 576	672 x 544
Max. recording rate	100fps	200fps	200fps	100fps	100fps
Operation mode	Triplex	PentaplexPlus	PentaplexPlus	Pentaplex	Triplex
Integrated writer	CD	no	no	DVD	CD
HHD (integral) / (max.)	750GB / 1500GB	750GB / 2000GB	750GB / 2000GB	820GB / 2000GB	1000GB / 1500GB
Compression standard	MPEG4	H.264	H.264	MPEG-4 ASP	MPEG4
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB	USB	USB	USB
Certificates	CE	CE	CE, BGV Kassen	CE	CE

	BCR-3004/1.1TDV 72887	DMS-180 III 500 72681	DLS-8 72755	DLS-8 PLUS 72754	DMS-240/8-0 72822
					
					
Channels Video / IP / Audio	4 / - / -	6 / - / -	8 / - / 8 (opt.)	8 / - / 8 (opt.)	8 / 16 (opt.) / 8 (opt.)
Resolution max.	704 x 576	720 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	100fps	25fps	200fps	200fps	200fps
Operation mode	Pentaplex	Triplex	PentaplexPlus	PentaplexPlus	PentaplexPlus, Hybrid
Integrated writer	DVD	no	no	no	no
HHD (integral) / (max.)	1070GB / 2000GB	500GB / 3000GB	0GB / 2000GB	0GB / 2000GB	0GB / 2000GB
Compression standard	MPEG-4 ASP	Wavelet	H.264	H.264	H.264, MPEG4, MJPEG
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA, DVI-I (optional)
Remote access	Remote Software, Browser	Remote Software	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB	USB	USB	USB, SATA (optional), FC-Controller (optional)
Certificates	CE	CE	CE	CE	CE, VdS (optional)











! Data export











DTR/DLR3/DPR/DCR Recorders can export a maximum of 2GB video data in a single file at one time in the Minibank combined player/data format. The video material is split into several files when longer times are exported using the RAS+ software. A PC with a colour depth of 32 bits and at least DirectX 9.0c are necessary for playback of Minibank files.

! Access via Microsoft Internet Explorer

Access via Microsoft Internet Explorer is also possible for the following video recorders from eneo: DCR-16/32, DIR-41xx, DPR-2016, DTR-4xxx, DTR-6xxx, DLR3-04, DLR1.1.

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	DIR-4108/250V 72795	DLR3-08/250SDV 72809	DMS-240/8-250 72627	DMS-80/8-250 72654	DMS-80/8-250B 72843
					
					
Channels Video / IP / Audio	8 / - / -	8 / - / -	8 / 16 (opt.) / 8 (opt.)	8 / 16 (opt.) / 8 (opt.)	8 / 16 (opt.) / 8 (opt.)
Resolution max.	672 x 544	672 x 272	704 x 576	704 x 576	704 x 576
Max. recording rate	100fps	100fps	200fps	200fps	200fps
Operation mode	Quadplex	Triplex	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid
Integrated writer	no	DVD	no	no	no
HHD (integral) / (max.)	250GB / 2000GB	250GB / 2250GB	250GB / 2000GB	250GB / 2000GB	250GB / 2000GB
Compression standard	MPEG4, H.264	MPEG4	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)
Certificates	CE	CE	CE, VdS (optional)	CE, VdS (optional)	CE, BGV Kassen, VdS (optional)

	DTR-6108/250D 72684	BCR-3008/320DV 72803	DMS-240/H8-500 72882	DMS-80/8-500 72794	DTR-6108/500D 72698
					
					
Channels Video / IP / Audio	8 / - / 4	8 / - / -	8 / 16 (opt.) / 8 (opt.)	8 / 16 (opt.) / 8 (opt.)	8 / - / 4
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	200fps	200fps	200fps	200fps	200fps
Operation mode	Pentaplex	Pentaplex	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	Pentaplex
Integrated writer	DVD	DVD	no	no	DVD
HHD (integral) / (max.)	250GB / 3000GB	320GB / 2000GB	500GB / 2000GB	500GB / 2000GB	500GB / 3000GB
Compression standard	MPEG4	MPEG-4 ASP	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	MPEG4
Main exits	CVBS, Y/C, VGA	CVBS, VGA	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, Y/C, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SCSI	USB	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SCSI
Certificates	CE	CE	CE, VdS (optional)	CE, VdS (optional)	CE











! Start routine











When eneo Digital Video Recorders are switched on they check whether PAL or NTSC cameras are connected to the video inputs, and then they adjust the video mode accordingly. If a camera is not connected to the recorder when it starts up, the recorder boots into NTSC mode and the connected main monitor then only shows a B/W picture instead of colour. Therefore, please only ever start the recorder with a camera connected to attain the correct display.

! RAS Plus Mobile Software

RAS Plus Mobile Software allows access to the live imagery from DLR, DCR, DTR & DPR recorders over a PDA. Windows Mobile Version 5 or higher must be installed on the PDA.

Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type

	DIR-4108/750V 72829	DLR3-08/750SDV 72868	DMS-80/8-750 97422	DTR-6108/750D 72699	BCR-3008/820DV 72888
					
					
Channels Video / IP / Audio	8 / - / -	8 / - / -	8 / 16 (opt.) / 8 (opt.)	8 / - / 4	8 / - / -
Resolution max.	672 x 544	672 x 272	704 x 576	704 x 576	704 x 576
Max. recording rate	100fps	100fps	200fps	200fps	200fps
Operation mode	Quadplex	Triplex	PentaplexPlus, Hybrid	Pentaplex	Pentaplex
Integrated writer	no	DVD	no	DVD	DVD
HHD (integral) / (max.)	750GB / 2000GB	750GB / 2250GB	750GB / 2000GB	750GB / 3000GB	820GB / 2000GB
Compression standard	MPEG4, H.264	MPEG4	H.264, MPEG4, MJPEG	MPEG4	MPEG-4 ASP
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA, DVI-I (optional)	CVBS, Y/C, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB	USB, SATA (optional), FC-Controller (optional)	USB, SCSI	USB
Certificates	CE	CE	CE, VdS (optional)	CE	CE

	DIR-4108/1.0TV 72831	DLR3-08/1.0TSDV 72867	DX8108-1000 73987	DX8108-1000A 73988	BCR-3008/1.32DV 72889
					
					
Channels Video / IP / Audio	8 / - / -	8 / - / -	8 / - / 8 (opt.)	8 / - / 8	8 / - / -
Resolution max.	672 x 544	672 x 272	704 x 576	704 x 576	704 x 576
Max. recording rate	100fps	100fps	400fps	400fps	200fps
Operation mode	Quadplex	Triplex	Pentaplex, Hybrid	Pentaplex, Hybrid	Pentaplex
Integrated writer	no	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	1000GB / 2000GB	1000GB / 2250GB	1000GB / 4000GB	1000GB / 4000GB	1320GB / 2000GB
Compression standard	MPEG4, H.264	MPEG4	Pelco Technology	Pelco Technology	MPEG-4 ASP
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Browser, Remote Software	Browser, Remote Software	Remote Software, Browser
Storage interfaces	USB	USB	USB	USB	USB
Certificates	CE	CE	CE	CE	CE











! S-DSL connection with a symmetrical bandwidth











Our experience shows that the upload bandwidth of an ADSL internet connection (approx. 256-384 KBit/Sec.) is not fast enough for smooth display of video imagery over the internet using an eneo Digital Video Recorder. We therefore recommend a S-DSL connection with a symmetrical bandwidth of 1-2MBit.

Of course, the recorder can be addressed over a DynDNS Account by using a provider with dynamic IP, but please note that such accounts are automatically deleted after approximately four weeks without access for these optional services. For professional applications, we only recommend a connection set up over an internet provider with a fixed IP address.











The following TCP ports must be opened in the router's firewall for perfect operation over the internet: Admin: 8200, Callback: 8201, Watch: 8016, Search: 10019, Audio: 8116, Webguard: 12088.











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	DMS-80/8-2000 72865	SVR-940NWH250 120084	SVR-945 250 120087	SVR-960NWH250 97046	SVR-940NWH500 120085
					
					
Channels Video / IP / Audio	8 / 16 (opt.) / 8 (opt.)	9 / - / 4	9 / - / 4	9 / - / 9	9 / - / 4
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	200fps	100fps	225fps	225fps	100fps
Operation mode	PentaplexPlus, Hybrid	Quadplex	Pentaplex	Pentaplex	Quadplex
Intergrated writer	no	CD	no	DVD	CD
HHD (integral) / (max.)	2000GB / 2000GB	250GB / 2000GB	250GB / 2000GB	250GB / 2000GB	500GB / 2000GB
Compression standard	H.264, MPEG4, MJPEG	MPEG4	MPEG4	MPEG4	MPEG4
Main exits	CVBS, VGA, DVI-I (optional)	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SATA (optional), FC-Controller (optional)	USB	USB, eSATA	USB, eSATA	USB
Certificates	CE, VdS (optional)	CE	CE	CE	CE






	SVR-945 500 120088	SVR-960NWH500 97120	SVR-945 1000 120086	CAM4MOBILE 10 72725	CAMDISC SVR 10 72705
					
					
Channels Video / IP / Audio	9 / - / 4	9 / - / 9	9 / - / 4	10 / - / -	10 / 10 / 1
Resolution max.	704 x 576	704 x 576	704 x 576	720 x 288	720 x 288
Max. recording rate	225fps	225fps	225fps	25fps	25fps
Operation mode	Pentaplex	Pentaplex	Pentaplex	Triplex	Triplex, Hybrid
Intergrated writer	no	DVD	no	no	no
HHD (integral) / (max.)	500GB / 2000GB	500GB / 2000GB	1000GB / 2000GB	0GB / 250GB	0GB / 1000GB
Compression standard	MPEG4	MPEG4	MPEG4	MJPEG, JPEG	MJPEG, JPEG
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS	CVBS
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, eSATA	USB	USB, eSATA	Network	Network
Certificates	CE	CE	CE	CE	CE, BGV Kassen






Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type

	CAMDISC SVR 10S 72817	DMS-180III50012 73978	DMS-180 III1000 72773	DLS-16 72756	DLS-16 PLUS 72753
					
					
Channels Video / IP / Audio	10 / 10 / 1	12 / - / -	12 / - / -	16 / - / 16 (opt.)	16 / - / 16 (opt.)
Resolution max.	720 x 288	720 x 576	720 x 576	704 x 576	704 x 576
Max. recording rate	250fps	25fps	25fps	400fps	400fps
Operation mode	Triplex, Hybrid	Triplex	Triplex	PentaplexPlus	PentaplexPlus
Integrated writer	no	no	no	no	no
HHD (integral) / (max.)	0GB / 1000GB	500GB / 3000GB	1000GB / 3000GB	0GB / 2000GB	0GB / 2000GB
Compression standard	MJPEG, JPEG	Wavelet	Wavelet	H.264	H.264
Main exits	CVBS	CVBS	CVBS	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	Network	USB	USB	USB	USB
Certificates	CE, BGV Kassen	CE	CE	CE	CE

	DMS-240/16 72798	DCR-16N/250DVD 71954	DCR-16N/250DVED 71577	DIR-4116/250V 72802	DLR3-16/250SDV 72814
					
					
Channels Video / IP / Audio	16 / 8 (opt.) / 16	16 / - / 1	16 / - / 1	16 / - / -	16 / - / -
Resolution max.	704 x 576	704 x 576	704 x 576	672 x 544	672 x 272
Max. recording rate	400fps	400fps	400fps	100fps	100fps
Operation mode	PentaplexPlus, Hybrid	Pentaplex	Pentaplex	Quadplex	Triplex
Integrated writer	no	DVD	DVD	no	DVD
HHD (integral) / (max.)	0GB / 2000GB	250GB / 3000GB	250GB / 3000GB	250GB / 2000GB	250GB / 2250GB
Compression standard	H.264, MPEG4, MJPEG	ML-JPEG, MPEG4	ML-JPEG, MPEG4	MPEG4, H.264	MPEG4
Main exits	CVBS, VGA, DVI-I (optional)	CVBS, Y/C, VGA, DVI-D	CVBS, Y/C, VGA, DVI-D	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SATA (optional), FC-Controller (optional)	USB	USB	USB	USB
Certificates	CE, VdS (optional)	CE	CE	CE	CE

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	DLS-16/250 72744	DMS-160/16-250 72656	DMS-160/16-250B 72842	DMS-240/16-250 72628	DMS-240/16-250B 72839
					
Channels Video / IP / Audio	16 / - / 16 (opt.)	16 / 8 (opt.) / 16 (opt.)	16 / 8 (opt.) / 16 (opt.)	16 / 8 (opt.) / 16	16 / 8 (opt.) / 16
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	400fps	400fps	400fps	400fps	400fps
Operation mode	PentaplexPlus	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid
Integrated writer	no	no	no	no	no
HHD (integral) / (max.)	250GB / 2000GB	250GB / 2000GB	250GB / 2000GB	250GB / 2000GB	250GB / 2000GB
Compression standard	H.264	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Main exits	CVBS, VGA	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)
Certificates	CE	CE, VdS (optional)	CE, BGV Kassen, VdS (optional)	CE, VdS (optional)	CE, BGV Kassen, VdS (optional)











	DTR-4216/250D 72683	DTR-6116/250D 72685	SVR-1645NWH250 97043	SVR-1660NWH250 120076	SVR-1680NWH250 120079
					
Channels Video / IP / Audio	16 / - / 4	16 / - / 4	16 / - / 16	16 / - / 16	16 / - / 16
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	200fps	400fps	400fps	400fps	400fps
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	250GB / 3000GB	250GB / 3000GB	250GB / 2000GB	250GB / 4000GB	250GB / 4000GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	MPEG4
Main exits	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SCSI	USB, SCSI	USB, eSATA	USB, eSATA	USB, eSATA
Certificates	CE	CE	CE	CE	CE











! DIR Series Upgrade through latest Firmware

eneo has published new firmware (Release 2.0.0) for DVRs in the DIR Series. This provides the following new system enhancements:

- * Choice of H.264 or MPEG-4 compression.
- * RS-232 Text-in support
- * Covert camera support
- * Keyboard connection now possible via RS-485











Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type











	BCR-3016/320DV 72804	DMS-160/16-500 93029	DMS-160/16-500B 72869	DPR-2016/500D 71955	DTR-4216/500D 72691
					
					
Channels Video / IP / Audio	16 / - / -	16 / 8 (opt.) / 16 (opt.)	16 / 8 (opt.) / 16 (opt.)	16 / - / 16	16 / - / 4
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	200fps	400fps	400fps	400fps	200fps
Operation mode	Pentaplex	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	Pentaplex	Pentaplex
Integrated writer	DVD	no	no	DVD	DVD
HHD (integral) / (max.)	320GB / 2000GB	500GB / 2000GB	500GB / 2000GB	500GB / 4000GB	500GB / 3000GB
Compression standard	MPEG-4 ASP	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	MPEG4	MPEG4
Main exits	CVBS, VGA	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, Y/C, VGA	CVBS, Y/C, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	SCSI, USB	USB, SCSI
Certificates	CE	CE, VdS (optional)	CE, BGV Kassen, VdS (optional)	CE	CE

	DTR-6116/500D 72733	DVR5116DVD-500 74196	SVR-1645NWH500 120074	SVR-1660NWH500 120077	SVR-1680NWH500 97044
					
					
Channels Video / IP / Audio	16 / - / 4	16 / 4 / 4	16 / - / 16	16 / - / 16	16 / - / 16
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	400fps	500fps	400fps	400fps	400fps
Operation mode	Pentaplex	Pentaplex, Hybrid	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	500GB / 3000GB	500GB / 3000GB	500GB / 2000GB	500GB / 4000GB	500GB / 4000GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	MPEG4
Main exits	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SCSI	USB	USB, eSATA	USB, eSATA	USB, eSATA
Certificates	CE	CE	CE	CE	CE

Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type

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	DIR-4116/750V 72832	DLR3-16/750SDV 72866	DMS-160/16-750 72768	DMS-240/16-750 72878	DTR-4216/750D 72697
					
					
Channels Video / IP / Audio	16 / - / -	16 / - / -	16 / 8 (opt.) / 16 (opt.)	16 / 8 (opt.) / 16	16 / - / 4
Resolution max.	672 x 544	672 x 272	704 x 576	704 x 576	704 x 576
Max. recording rate	100fps	100fps	400fps	400fps	200fps
Operation mode	Quadplex	Triplex	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	Pentaplex
Integrated writer	no	DVD	no	no	DVD
HHD (integral) / (max.)	750GB / 2000GB	750GB / 2250GB	750GB / 2000GB	750GB / 2000GB	750GB / 3000GB
Compression standard	MPEG4, H.264	MPEG4	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	MPEG4
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, Y/C, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SCSI
Certificates	CE	CE	CE, VdS (optional)	CE, VdS (optional)	CE











	DTR-6116/750D 72734	BCR-3016/820DV 72891	DIR-4116/1.0TV 72833	DLR3-16/1.0TSDV 72863	DMS-160/16-1000 97254
					
					
Channels Video / IP / Audio	16 / - / 4	16 / - / -	16 / - / -	16 / - / -	16 / 8 (opt.) / 16 (opt.)
Resolution max.	704 x 576	704 x 576	672 x 544	672 x 272	704 x 576
Max. recording rate	400fps	200fps	100fps	100fps	400fps
Operation mode	Pentaplex	Pentaplex	Quadplex	Triplex	PentaplexPlus, Hybrid
Integrated writer	DVD	DVD	no	DVD	no
HHD (integral) / (max.)	750GB / 3000GB	820GB / 2000GB	1000GB / 2000GB	1000GB / 2250GB	1000GB / 2000GB
Compression standard	MPEG4	MPEG-4 ASP	MPEG4, H.264	MPEG4	H.264, MPEG4, MJPEG
Main exits	CVBS, Y/C, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA, DVI-I (optional)
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SCSI	USB	USB	USB	USB, SATA (optional), FC-Controller (optional)
Certificates	CE	CE	CE	CE	CE, VdS (optional)

! RAS Plus Software

With the latest RAS Plus Software you can automatically start a connection to a recorder with the required display layout. Please note that the most up-to-date firmware version must be installed on the recorder to ensure perfect operation. You can download firmware as well as software from the products section on our website.

Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type











	DMS-240/16-1000 72739	DTR-4216/1.0T D 72749	DTR-6116/1.0TD 72746	DX8116-1000 73990	SVR-1645NWH1000 120100
					
					
Channels Video / IP / Audio	16 / 8 (opt.) / 16	16 / - / 4	16 / - / 4	16 / - / 16 (opt.)	16 / - / 16
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	400fps	200fps	400fps	400fps	400fps
Operation mode	PentaplexPlus, Hybrid	Pentaplex	Pentaplex	Pentaplex, Hybrid	Pentaplex
Integrated writer	no	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	1000GB / 2000GB	1000GB / 3000GB	1000GB / 3000GB	1000GB / 4000GB	1000GB / 2000GB
Compression standard	H.264, MPEG4, MJPEG	MPEG4	MPEG4	Pelco Technology	MPEG4
Main exits	CVBS, VGA, DVI-I (optional)	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SATA (optional), FC-Controller (optional)	USB, SCSI	USB, SCSI	USB	USB, eSATA
Certificates	CE, VdS (optional)	CE	CE	CE	CE











	SVR-1660NWH1000 120075	SVR-1680NWH1000 120078	BCR-3016/1.32DV 72892	DX8116-1500 74167	DTR-4216/1.75TD 72751
					
					
Channels Video / IP / Audio	16 / - / 16	16 / - / 16	16 / - / -	16 / - / 16 (opt.)	16 / - / 4
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	400fps	400fps	200fps	400fps	200fps
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex, Hybrid	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	1000GB / 4000GB	1000GB / 4000GB	1320GB / 2000GB	1500GB / 4000GB	1750GB / 3000GB
Compression standard	MPEG4	MPEG4	MPEG-4 ASP	Pelco Technology	MPEG4
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, Y/C, VGA
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, eSATA	USB, eSATA	USB	USB	USB, SCSI
Certificates	CE, FCC	CE	CE	CE	CE

! Ideal for mobile use











DiREX-Pro DVRs are suitable for transfer even on low bands such as WLAN, DSL, ISDN or 3G/UMTS/HSPDA, EDGE and are ideal for mobile use. The frame rate adjusts itself to the available bandwidth - but maintaining consistent video quality. Local recording is always at full speed and allows video data to be completely restored. Automatic email notifications triggered by sound, movement, alarms and power failure as well as pre-timed are all possible - complete with picture attachment.











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	DTR-6116/1.75TD 72748	DTR-6116/3.0TD 72879	SVR-1680NWH3000 120080	DMS-180III50018 73982	DMS-240/24 72799
					
					
Channels Video / IP / Audio	16 / - / 4	16 / - / 4	16 / - / 16	18 / - / -	24 / - / 24
Resolution max.	704 x 576	704 x 576	704 x 576	720 x 576	704 x 576
Max. recording rate	400fps	400fps	400fps	25fps	600fps
Operation mode	Pentaplex	Pentaplex	Pentaplex	Triplex	PentaplexPlus, Hybrid
Integrated writer	DVD	DVD	DVD	no	no
HHD (integral) / (max.)	1750GB / 3000GB	3000GB / 3000GB	3000GB / 4000GB	500GB / 3000GB	0GB / 2000GB
Compression standard	MPEG4	MPEG4	MPEG4	Wavelet	H.264, MPEG4, MJPEG
Main exits	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA, DVI-I (optional)
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SCSI	USB, SCSI	USB, eSATA	USB	USB, SATA (optional), FC-Controller (optional)
Certificates	CE	CE	CE	CE	CE, VdS (optional)

	DMS-240/24-250 72629	DMS-240/24-250B 72841	DMS-240/24-320 97343	DMS-240H/24-500 72784	DMS-240H24-500B 72851
					
					
Channels Video / IP / Audio	24 / - / 24	24 / - / 24	24 / - / 24	24 / - / 24	24 / - / 24
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	600fps	600fps	600fps	600fps	600fps
Operation mode	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid
Integrated writer	no	no	no	no	no
HHD (integral) / (max.)	250GB / 2000GB	250GB / 2000GB	320GB / 2000GB	500GB / 2000GB	500GB / 2000GB
Compression standard	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Main exits	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, DVI-I (optional)	CVBS, VGA, DVI-I (optional)
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)
Certificates	CE, VdS (optional)	CE, BGV Kassen, VdS (optional)	CE, VdS (optional)	CE, VdS (optional)	CE, BGV Kassen, VdS (optional)

Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type

	DMS-240/24-750 72737	DMS-240/24-750B 72838	DX8124-1000 74168	DCR-32N/250DVD 71918	DCR-32N/250DVDD 71578
					
					
Channels Video / IP / Audio	24 / - / 24	24 / - / 24	24 / - / 24 (opt.)	32 / - / 1	32 / - / 1
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	600fps	600fps	400fps	400fps	400fps
Operation mode	PentaplexPlus, Hybrid	PentaplexPlus, Hybrid	Pentaplex, Hybrid	Pentaplex	Pentaplex
Integrated writer	no	no	DVD	DVD	DVD
HHD (integral) / (max.)	750GB / 2000GB	750GB / 2000GB	1000GB / 4000GB	250GB / 3000GB	250GB / 3000GB
Compression standard	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	Pelco Technology	ML-JPEG, MPEG4	ML-JPEG, MPEG4
Main exits	CVBS, VGA, DVI-I (optional)	CVBS, VGA, DVI-I (optional)	CVBS, VGA	CVBS, Y/C, VGA, DVI-D	CVBS, Y/C, VGA, DVI-D
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, SATA (optional), FC-Controller (optional)	USB, SATA (optional), FC-Controller (optional)	USB	USB	USB
Certificates	CE, VdS (optional)	CE, BGV Kassen, VdS (optional)	CE	CE	CE

	SVR-3200 500 120082	SVR-3200 1000 97178	DCR-32N/1,25TD 72905	DCR-32N/1,25TDD 72907	DCR-32N/2,25TD 72906
					
					
Channels Video / IP / Audio	32 / - / 16	32 / - / 16	32 / - / 1	32 / - / 1	32 / - / 1
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	800fps	800fps	400fps	400fps	400fps
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	500GB / 4000GB	1000GB / 4000GB	1250GB / 3000GB	1250GB / 3000GB	2250GB / 3000GB
Compression standard	MPEG4	MPEG4	ML-JPEG, MPEG4	ML-JPEG, MPEG4	ML-JPEG, MPEG4
Main exits	CVBS, VGA	CVBS, VGA	CVBS, Y/C, VGA, DVI-D	CVBS, Y/C, VGA, DVI-D	CVBS, Y/C, VGA, DVI-D
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB, eSATA	USB, eSATA	USB	USB	USB
Certificates	CE	CE	CE	CE	CE

Products in the tables above are sorted by: 1. Channels Video, 2. HHD (integral), 3. Type

DCR-32N/2,25TDD
72908



SVR-3200 3000
120081



Channels Video / IP / Audio	32 / - / 1	32 / - / 16
Resolution max.	704 x 576	704 x 576
Max. recording rate	400fps	800fps
Operation mode	Pentaplex	Pentaplex
Intergrated writer	DVD	DVD
HHD (integral) / (max.)	2250GB / 3000GB	3000GB / 4000GB
Compression standard	ML-JPEG, MPEG4	MPEG4
Main exits	CVBS, Y/C, VGA, DVI-D	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB, eSATA
Certificates	CE	CE

PLAN200.18 74195  	ALARM81-RS 72797  	MR-36 72796  	19" RMK DLS 72871  	19" RMK DMS/PVS 72516  	EINBAU HDD AMAD 72772  	VDS-MONTAGE KIT 72505  
Power Supplies Power Supply Unit with PowerLAN, 200Mbps, with Encryption, 12VDC/230VAC	Product Addition External Alarmbox, RS-232, compact size 8 alarm inputs, 1 alarm output	Product Addition 3G/HSDPA/EDGE/VPN-Router, Status LEDs, External GSM antenna, RS-232, 10-30VDC	19" Rack Mounting 19" bracket for a 2HU single device DLS Series and VNS-Series	19" Rack Mounting 19" bracket for a 3HU single device DMS Series and PVS IV Plus	Assembling lump sum for HDD installation into DLS8/ DLS8 PLUS/DLS16/ DLS16 PLUS (EX Works)	Mounting Fixing Frame and Unit Cover to Protect Stand-alone Units (VdS Request)

AUTOBACKUP-1 72494  	DFM-1 72437  	DHFS-16/8 72635  	DHFS-8/16 72634  	DLS-4 FS 2 97427  	DMS80/160 AUDIO 72658  	DNI-1 72417  
Product Addition Automatic Backup, from PView 5.3.x, 1x License	Product Addition radio clock for DMS/DLS (DCF-77)	Product Addition Hybrid Activation for 16 Analogue and 8 IP based video channels	Product Addition Hybrid Activation for 8 Analogue and 16 IP based video channels	Product Addition Update for 2 Additional Channels	Product Addition Audio Release for all Channels of DMS-80/160	Product Addition External Data Interface Set (Transmitter / Receiver) for DMS/DLS Units, with PSU

DNI-1/E 72418  	DUALSTREAMING 72644  	DVD 72640  	DVD-RW COMBO 72793  	DVD-RW-5170A 72785  	DVI 72638  	HD 250GB IDE 72519  
Product Addition Extension Module for an additional Data Port for DNI-1	Product Addition Different Bit and Frame Rates for Recording and Transmission	Product Addition DVD Writer Slimline for DMS Series	Product Addition DVD-RW Writer Upgrade, Combo Drive 3. Generation, for DLS Series	Product Addition DVD-RW Writer Standard-Cover black 8x8x24x, 5 1/4" standard size	Product Addition Digital Output for VGA/ TFT Monitor, for DMS Series	Product Addition 250 GB IDE Hard Disk Wavelet Series, only for upgrading

HDD 250GB RSATA 72769  	HDD 500GB IDE 72655  	HDD 500GB RSATA 72693  	HDD 750GB RSATA 72771  	HDD1000GB RSATA 72862  	KE-FS 12 72543  	KE-FS 18 72544  
Product Addition 250 GB RESATA Hard Disk for DMS/DLS Series	Product Addition 500 GB IDE Hard Disk for Wavelet Series, only for upgrading	Product Addition 500 GB RESATA Hard Disk for DMS/DLS Series	Product Addition 750 GB RESATA Hard Disk for DMS/DLS Series	Product Addition 1000 GB RESATA Hard Disk for DMS/DLS Series	Product Addition Software Update for Wavelet Recorders 12-channel Version	Product Addition Software Update for Wavelet Recorders 18-channel Version

Products in the tables above are sorted by: 1. Brand, 2. Kategorie, 3. Type

RECORDING | Accessories








KE-FS 6 72436  	KE-FS 8/12KANAL 72622  	KE-FS 8/18KANAL 72624  	LAN-1 FS/S1 72482  	MCD-25 72513  	PGUARD ADV/1 72404  	PGUARD ADV/2 72476  
Product Addition Software Update for Wavelet Recorders 6-channel Version	Product Addition Software Update for DLS 6S1 PDA III for additional 4-channel Release	Product Addition Software Update for DLS 6S1 PDA III for additional 10-Channel Release	Product Addition LAN software with release code, for Wavelet Recorders	Product Addition Screen Splitter Board for Multiscreen Display, Triplex, for Wavelet Recorders	Product Addition PGuard SW, 1x Licence (usable with PView II/1 only)	Product Addition PGuard SW, 2x Licence (usable with PViewII/2 only)
PGUARD ADV/4 72497  	PGUARD LIGHT 72489  	PREMOTE ADVANCE 72645  	PREMOTE FS 72514  	PREMOTE PDA 72642  	PVIEW DEMO-USB 72467  	PVIEW II/4 USB 72565  
Product Addition PGuard SW, 4x licence (usable with PViewII/4 only)	Product Addition Recorder download via release code	Product Addition Real-time Split Transmission of all Channels (10kbit - 2MBit)	Product Addition Transmission Release for H.261/H.263 Standard and MPEG-4 over LAN/WAN	Product Addition PRemote PDA (PRemote Advance Required)	Product Addition CD and Demo Dongle (USB)	Product Addition PVIEW II PC Software (4x Licence)
PVIEW LIGHT 72488  	PVIEW-II/1 USB 72563  	PVIEW-II/1 PARA 72403  	PVIEW-II/10 USB 72767  	PVIEW-II/2 PAR 72442  	PVIEW-II/2 USB 72564  	SATA 72637  
Product Addition Recorder download via release code	Product Addition PView Software (1 Licence)	Product Addition PView Software (1 Licence)	Product Addition PView Software (10 Licence)	Product Addition PVIEW II PC Software (2x Licence)	Product Addition PVIEW II PC Software (2x Licence)	Product Addition Expansion Interface for DAS-4Eco, incl. SW and Activation of up to 4 HDDs
TA-24 MS 72641  	DVR-MOUSE 71902  	EDC-KBD1 74088  	EDC-KBDM-3 74092  	KBD-2 74149  	KBD-BVR-100 72909  	KBD-CSK-100 74217  
Product Addition Keyboard for Operation of CVBS Monitors incl. CVBS Split Switching	Input Devices USB Mouse for Recorder Series DTR, DPR and DLR3	Input Devices System Keyboard with 3-axis Joystick, 12VDC	Input Devices System Keyboard w. Joystick, 5" Monitor 12VDC, Fastrax Protocol	Input Devices System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC	Input Devices System Keyboard with 3-Axis Joystick for B Series DVR's, 12VDC	Input Devices System Keyboard with 3-Axis Joystick, 12VDC








Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type



KBD-NSC-100 74746  	8 WIBU KEY 71968  	GLA-6006 91537  	HDD-1000SATA-S 72864  	HDD-250SATA-H 72819  	HDD-250SATA-H 72665  	HDD-500SATA-H 72666  
Input Devices Network System Controller with 3-Axis Joystick and Jog Shuttle, 12VDC	Product Addition 8-chan security key for activating of te xt-in function for eneo DCR series	Product Addition HDD Viewer for Digital Recorder Series DSR, DNR and GLR, 12VDC/230VAC	Product Addition Hard Disk Drive 1000GB, SATA for DTR-42xx, DTR-61xx, BCR, DCR DVRs	Product Addition Hard Disk Drive 250GB, SATA for DTR-42xx, DTR-61xx, DLR1.1, DLR3-08/16 (SATA)	Product Addition Hard Disk Drive 250GB, SATA for DLR1.1, DLR3 (SATA), DIR, DPR and BTR Series	Product Addition Hard Disk Drive 500GB, SATA for DLR1.1, DLR3 (SATA), DIR, DPR, DTR, BTR Series
HDD-500SATA-SA 72885  	HDD-750SATA-H 72747  	HDD-750SATA-S 72875  	MMX 90556  	RAS MOBILE 72745  	RAS+ 71922  	19" RACK KIT 72714  
Product Addition Hard Disk Drive 500GB, SATA for EMD-19/ DVR-S1 and BCR Series	Product Addition Hard Disk Drive 750GB, SATA for DLR1.1, DLR3 (SATA), DTR-42xx, DTR-61xx, DPR	Product Addition Hard Disk Drive 750GB, SATA f. DLR3, DIR DTR-42xx/DTR-61xx, DPR, EMD, BCR Series	Product Addition Network Controlled Video Matrix System	Product Addition PDA Remote Monitoring Software for DLR, DCR, DTR and DPR Digital Video Recorders	Product Addition Remote Administration Interface Software for DLR and DTR Digital Video Recorders	19" Rack Mounting 19"/2HU Rack Mount Kit for up to 2x Units of SVR Series
19" RACK KIT1HE 97124  	AUDIO CARD/SVR 72713  	CAM MOUNT KIT 72728  	CAMCONTR LITE 72722  	CAMCONTR PRO 72723  	CAMCONTROL MV 72818  	CAMDISC HDD1000 72791  
19" Rack Mounting 19" Mount Kit (1 RU) for mounting of CamServer, POS/ATM Adapter or CI Adapter	Product Addition Audio Module for bi-direktional Transmission of Digital Audio Signals	Product Addition 2-part Mount Kit for Horizontal Fixing in Vehicles	Product Addition Recording and Alarm Management Software 1-channel/Stand-alone Solution	Product Addition Recording and Alarm Management Software 9-channel/Stand-alone Solution	Product Addition Video Wall Software, up to 64 IP-Streams 4 Monitors, freely definable layout	Product Addition CamDisc Removable Hard Disk 1000GB for use with svr-series
CAMDISC HDD320 72709  	CAMDISC HDD500 72789  	CAMDISC HNVR1TB 72816  	CAMDISC HNVR500 72815  	CAMMOBIL HDD250 72807  	CAMMOBIL HDD500 97123  	HYBRID CARD 4 97125  
Product Addition CamDisc Removable Hard Disk 320GB for use with svr-series	Product Addition CamDisc Removable Hard Disk 500GB for use with svr-series	Product Addition CamDisc Removable Hard Disk 1TB (1000GB) for use with HNVR-series	Product Addition CamDisc Removable Hard Disk 500GB for use with HNVR-series	Product Addition CamDisc Removable Hard Disk 250GB for use with CamMobile	Product Addition CamDisc Removable Hard Disc Drive 500GB for Cam4Mobile	Product Addition Interface Card for CamDisc HNVR 10 for Expansion of 4 analogue Camera Inputs

Products in the tables above are sorted by: 1. Brand, 2. Kategorie, 3. Type











RECORDING | Accessories







ISDN CARD/SVR 72712	PC-KIT DISC USB 72715	POS/ATM ADAP 4 72731	POS/ATM ADAPTER 72729	POS/ATM PA 72732	HDS725050KLA360 71909	KBD5000 91144
						
Product Addition ISDN Module with SO/I.430 Interface for 1x B-channel	Product Addition External Device with USB Interface for Viewing of CamDisc Removable HDDs	Product Addition Image Synchronous Data Recording up to 4 Cash Registers (POS) or Machines (ATM)	Product Addition Image Synchronous Data Recording, 1 Cash Register (POS) or Cash Machine (ATM)	Product Addition Protocol Adaptions for POS/ATM Adapter (4)	Product Addition Hard Disk Drive 500GB for easyRAID System ERS8-U4R2	Input Devices System Keyboard with 3-axis Joystick USB Hub, Jog/Shuttle, 12VDC, 230VAC











SNM-128P 120037	SNM-64P 120038	SNR-16A 120041	SNR-32A 120042	SNR-9A 120045	SCC-3100A 120002	SVS-5E 120089
						
Full Version Video Management Software, Full Version, up to 128 Channels, PTZ, Audio, Sensor	Full Version Video Management Software, Full Version, up to 64 Channels, PTZ, Audio, Sensor	Full Version 32 Channel Network Recorder Software 480fps, D1, 16 Audio/ Video Streams	Full Version 32 Channel Network Recorder Software 480fps, D1, 32 Audio/ Video Streams	Full Version 9 Channel Network Recorder Software 270fps, D1, 9 Audio/ Video Streams	Input Devices System Controller for PTZ Dome Cameras, DVRs and Matrix Swit- chers, max 255 units	Product Addition 19" HDD Ext. Unit f.SVR-3200 /1680 /1660 SVR-1645 /960 /945 /1650E /1640E /950E

SVS-5R 120101	SVS-5S 120090
	
Product Addition 19" HDD Ext. Unit f.SVR-3200 /1680 /1660 SVR-1645 /960 /945 /1650E /1640E /950E, RAID5	Product Addition 19" HDD Extension Unit, max. 4 SATA HDDs max. 2TB, for SVR- 1650W/1640E/950E























	VMC-5.6/1-LCD 90481	VMC-5.6/1S-LCD 90482	VMC-6.4/2-MM1 90518	VMC-6.4LCD-P1 90511	VMC-8.4LCD-CM 90488
	 	 	 	 	 
Screen size	5.6" / 14.3 cm	5.6" / 14.3 cm	6.4" / 16.3 cm	6.4" / 16.3 cm	8.4" / 21.3 cm
Resolution pixels	320 x 234	320 x 234	320 x 234	320 x 234	800 x 600
Audio inputs	2	2	-	1	-
Viewing angle l/r/u/d	65° / 65° / 65° / 45°	65° / 65° / 65° / 45°	60° / 60° / 55° / 40°	60° / 60° / 55° / 40°	50° / 50° / 45° / 45°
Brightness typical	250cd/m²	250cd/m²	330cd/m²	330cd/m²	350cd/m²
Contrast ratio typical	300:1	300:1	350:1	350:1	250:1
Response time typical	35ms	35ms	40ms	40ms	100ms
Video inputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS, VGA
Housing material / Colour	Plastic / anthracite	Plastic / anthracite	Aluminium / silver grey	Plastic / anthracite	Metal / black

	VMC-8.4LCD-CP 90437	VMC-10.4LCD-CM 90489	VMC-10.4LCD-CP 90438	LMD-1410SC 90551	VMC-15LCD-CP 90484
	 	 	 	 	 
Screen size	8.4" / 21.3 cm	10.4" / 26.4 cm	10.4" / 26.4 cm	14" / 35.4 cm	15" / 38 cm
Resolution pixels	800 x 600	800 x 600	800 x 600	640 x 480	1024 x 768
Audio inputs	1	-	1	3	1
Viewing angle l/r/u/d	50° / 50° / 45° / 45°	55° / 55° / 40° / 40°	55° / 55° / 40° / 40°	85° / 85° / 85° / 85°	75° / 75° / 60° / 75°
Brightness typical	350cd/m²	220cd/m²	220cd/m²	n/acd/m²	250cd/m²
Contrast ratio typical	250:1	400:1	400:1	n/a	700:1
Response time typical	100ms	40ms	45ms	n/ams	16ms
Video inputs (type)	CVBS, Y/C	CVBS, VGA	CVBS, Y/C, VGA	CVBS, Y/C, Component Video	CVBS, Y/C, VGA
Housing material / Colour	Plastic / silver grey	Metal / black	Plastic / silver grey	Plastic / light grey	Plastic / silver grey

	VMC-15LCD-HMC1 90545	SX-15 90454	X-15 97247	VMC-17LCD-HMC1 90546	VMC-17LCD-HPC1 90525
	 	 	 	 	 
Screen size	15" / 38.1 cm	15"	15" / 38 cm	17" / 43 cm	17" / 44 cm
Resolution pixels	1024 x 768	1024 x 768	1024 x 768	1280 x 1024	1280 x 1024
Audio inputs	2	-	-	2	-
Viewing angle l/r/u/d	65° / 65° / 50° / 50°	70° / 70° / 65° / 65°	70° / 70° / 63° / 63°	80° / 80° / 80° / 80°	80° / 80° / 80° / 80°
Brightness typical	250cd/m²	400cd/m²	350cd/m²	300cd/m²	300cd/m²
Contrast ratio typical	450:1	500:1	3000:1	1000:1	1000:1
Response time typical	16ms	8ms	4ms	5ms	5ms
Video inputs (type)	CVBS, Y/C, VGA	CVBS, DVI-D, VGA	VGA, CVBS, Y/C, DVI-D	CVBS, Y/C, VGA	CVBS, Y/C, VGA
Housing material / Colour	Aluminium / anthracite	Metal / black	Metal / black	Aluminium / anthracite	Plastic / Pantone 877C











Products in the tables above are sorted by: 1. Screen size, 2. Brand, 3. Type





	VMC-17LCD-PP 90443	LM-H171 92272	E-17 90516	SX-17 90455	X-17 90536
					
					
Screen size	17" / 44 cm	17" / 43.2 cm	17" / 43.2 cm	17" / 43.2 cm	17" / 43.2 cm
Resolution pixels	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Audio inputs	2	4	1	-	-
Viewing angle l/r/u/d	75° / 75° / 60° / 75°	80° / 80° / 80° / 80°	80° / 80° / 80° / 80°	70° / 70° / 65° / 65°	80° / 80° / 80° / 80°
Brightness typical	300cd/m²	300cd/m²	300cd/m²	300cd/m²	300cd/m²
Contrast ratio typical	700:1	1000:1	800:1	500:1	3000:1
Response time typical	8ms	5ms	3ms	4ms	3ms
Video inputs (type)	CVBS, Y/C, VGA	2x CVBS, Y/C, DVI-D, VGA	DVI-D, VGA	CVBS, DVI-D, VGA	S-Video, CVBS, VGA, DVI-D
Housing material / Colour	Plastic / silver grey	Metal / anthracite	Plastic / black	Metal / black	Metal / black











	PMCL317 90515	STM-17LA 97038	STM-17LP 120070	VMC-19LCD-CM 90494	VMC-19LCD-HMC1 90547
					
					
Screen size	17" / 44 cm	17" / 44 cm	17" / 43 cm	19" / 48.2 cm	19" / 48 cm
Resolution pixels	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Audio inputs	1	1	-	-	2
Viewing angle l/r/u/d	65° / 65° / 70° / 70°	80° / 80° / 80° / 80°	75° / 75° / 67° / 67°	85° / 85° / 85° / 85°	80° / 80° / 80° / 80°
Brightness typical	400cd/m²	300cd/m²	300cd/m²	250cd/m²	300cd/m²
Contrast ratio typical	500:1	1000:1	1000:1	600:1	1000:1
Response time typical	8ms	5ms	5ms	20ms	5ms
Video inputs (type)	CVBS, Y/C, VGA	CVBS, Y/C, VGA	VGA	CVBS, DVI-D, VGA	CVBS, Y/C, VGA
Housing material / Colour	Plastic / black	Plastic / black	Plastic / black	Metal / silver grey	Aluminium / anthracite

	VMC-19LCD-HPC1 90526	LM-H191 92171	E-19 90517	E-W19 90541	RX-W19 90522
					
					
Screen size	19" / 48 cm	19" / 48.2 cm	19" / 48.2 cm	19" / 48.1 cm	19" / 48.2 cm
Resolution pixels	1280 x 1024	1280 x 1024	1280 x 1024	1440 x 900	1440 x 900
Audio inputs	-	4	1	1	-
Viewing angle l/r/u/d	80° / 80° / 80° / 80°	89° / 89° / 89° / 89°	80° / 80° / 67.5° / 67.5°	80° / 80° / 85° / 85°	80° / 80° / 85° / 85°
Brightness typical	300cd/m²	300cd/m²	300cd/m²	380cd/m²	380cd/m²
Contrast ratio typical	1000:1	1300:1	700:1	3000:1	1000:1
Response time typical	7ms	8ms	4ms	3ms	5ms
Video inputs (type)	CVBS, Y/C, VGA	2x CVBS, Y/C, DVI-D, VGA	DVI-D, VGA	VGA, DVI-D	CVBS, DVI-D, VGA
Housing material / Colour	Plastic / Pantone 877C	Metal / anthracite	Plastic / black	n/a / black	Aluminium / black






Products in the tables above are sorted by: 1. Screen size, 2. Brand, 3. Type

	SX-19 90456	X-19 90537	X-19W 90555	X-W19 90538	PMCL419 97313
	 	 	 	 	 
Screen size	19" / 48.2 cm	19" / 48.2 cm	19" / 48.2 cm	19" / 48 cm	19" / 48.2 cm
Resolution pixels	1280 x 1024	1280 x 1024	1280 x 1024	1440 x 900	1280 x 1024
Audio inputs	-	-	-	-	1
Viewing angle l/r/u/d	75° / 75° / 65° / 65°	85° / 85° / 80° / 80°	85° / 85° / 80° / 80°	85° / 85° / 80° / 80°	75° / 75° / 65° / 65°
Brightness typical	300cd/m²	300cd/m²	300cd/m²	380cd/m²	450cd/m²
Contrast ratio typical	700:1	3000:1	3000:1	3000:1	500:1
Response time typical	4ms	3ms	3ms	3ms	8ms
Video inputs (type)	CVBS, DVI-D, VGA	CVBS, Y/C, VGA, DVI-D	CVBS, Y/C, VGA, DVI-D	CVBS, Y/C, VGA, DVI-D	CVBS, Y/C, VGA, DVI-D
Housing material / Colour	Metal / black	Metal / black	Metal / white	Metal / black	Plastic / black

	STM-19LA 97327	STM-19LP 120071	X-20 90535	E-W22 90542	RX-W22 90523
	 	 	 	 	 
Screen size	19" / 48.2 cm	19" / 48.2 cm	20.1" / 51.1 cm	22" / 55.9 cm	22" / 56.1 cm
Resolution pixels	1280 x 1024	1280 x 1024	1600 x 1200	1680 x 1050	1680 x 1050
Audio inputs	1	-	-	1	-
Viewing angle l/r/u/d	80° / 80° / 80° / 80°	75° / 75° / 67° / 67°	85° / 85° / 85° / 85°	85° / 85° / 80° / 80°	80° / 80° / 85° / 85°
Brightness typical	300cd/m²	300cd/m²	300cd/m²	300cd/m²	300cd/m²
Contrast ratio typical	800:1	1000:1	1000:1	3000:1	900:1
Response time typical	5ms	5ms	8ms	3ms	5ms
Video inputs (type)	CVBS, Y/C, VGA	VGA	CVBS, Y/C, VGA, DVI-D	VGA, DVI-D	CVBS, DVI-D, RGB
Housing material / Colour	Plastic / black	Plastic / black	Metal / black	Plastic / black	Aluminium / black

	RX-W22W 90554	X-W22 90539	RX-W32 97346	320MX 120104	STM-32L 97264
	 	 	 	 	 
Screen size	22" / 56.1 cm	22" / 55.9 cm	32" / 80 cm	32" / 81.3 cm	32" / 81.3 cm
Resolution pixels	1680 x 1050	1680 x 1050	1366 x 768	1366 x 768	1366 x 768
Audio inputs	-	-	-	2	1
Viewing angle l/r/u/d	80° / 80° / 85° / 85°	85° / 85° / 80° / 80°	89° / 89° / 89° / 89°	89° / 89° / 89° / 89°	89° / 89° / 89° / 89°
Brightness typical	300cd/m²	300cd/m²	450cd/m²	500cd/m²	500cd/m²
Contrast ratio typical	900:1	3000:1	3000:1	40000:1	3000:1
Response time typical	5ms	3ms	6ms	8ms	8ms
Video inputs (type)	CVBS, DVI-D, RGB	Y/C, CVBS, VGA, DVI-D	CVBS, DVI-D, VGA, Y/C, Component Video	DVI-D, CVBS, HDMI	CVBS, Y/C, RGB, DVI-D, HDMI
Housing material / Colour	Aluminium / white	Metal / black	Metal / black	Plastic / black	Plastic / black

Products in the tables above are sorted by: 1. Screen size, 2. Brand, 3. Type

	400MX 120105	GM-F420S 92369	STM-42L 97265	GM-F470S 92372	GM-F520S 92373
					
Screen size	40" / 101.6 cm	42" / 107 cm	42" / 107 cm	47" / 119,4 cm	52" / 132 cm
Resolution pixels	1366 x 768	1920 x 1080	1366 x 768	1920 x 1080	1920 x 1080
Audio inputs	2	2	1	2	2
Viewing angle l/r/u/d	89° / 89° / 89° / 89°	89° / 89° / 89° / 89°	89° / 89° / 89° / 89°	89° / 89° / 89° / 89°	89° / 89° / 89° / 89°
Brightness typical	450cd/m²	700cd/m²	500cd/m²	700cd/m²	700cd/m²
Contrast ratio typical	40000:1	1000:1	1100:1	1000:1	2000:1
Response time typical	8ms	n/a	5ms	n/a	n/a
Video inputs (type)	DVI-D, HDMI, CVBS, VGA	CVBS, RGB, DVI-D	CVBS, Y/C, RGB, DVI-D, HDMI	CVBS, RGB, DVI-D	CVBS, RGB, DVI-D
Housing material / Colour	Plastic / black	Metal / black	Plastic / black	Metal / black	Metal / black











! Not every TFT monitor is suited for CCTV









Video surveillance technology places high demands on monitors. We keep that in mind when choosing products. Thus our monitors features an optimised signal recognition time. This is important if signal sources are switched on a regular basis, e.g. when using multiplexers or multi channel digital recorders.

MONITORS | Accessories

<div>LCD-15P-RMK 90396</div> <div></div> <div></div> <div>19" Rack Mounting 19" Kit for 15" LCD Monitor (VMC-15LCD-P and VMC-15LCD-HMC1)</div>	<div>LCD-17P-RMK 90397</div> <div></div> <div></div> <div>19" Rack Mounting 19" Kit for 17" LCD Monitor (VMC-17LCD-P and VMC-17LCD-HMC1)</div>	<div>LCD-19P-RMK 90475</div> <div></div> <div></div> <div>19" Rack Mounting 19" Kit for 19" LCD Monitor (VMC-19LCD-P and VMC-19LCD-HMC1)</div>	<div>LCD-ST/CM1 90491</div> <div></div> <div></div> <div>Mounting Desktop Mount for LCD Monitor VMC-8.4 and VMC-10.4, CM Series</div>	<div>LCD-ST/P 90395</div> <div></div> <div></div> <div>Mounting Desktop Mount for LCD Monitor VMC-15/17/19, P Series</div>	<div>VMC-LCD/8-10MP 90453</div> <div></div> <div></div> <div>Mounting Adapter Plate for Wall Bracket Fixing to VMC-8.4/10.4LCD-CP Series</div>	<div>VMC-LCD/WCMB-1 90394</div> <div></div> <div></div> <div>Mounting Wall/Ceiling Bracket for LCD Monitors 15"/17"/19" P/CP/CM/HPC/HMC1 Series</div>
<div>VMC-LCD/WMB-1 90426</div> <div></div> <div></div> <div>Mounting Wall Bracket for TFT/ LCD Monitors, straight</div>	<div>VMC-LCD/WMB-4 90468</div> <div></div> <div></div> <div>Mounting Wall Bracket for LCD Monitors up to 23", Pan and Tilttable</div>	<div>LCD-ST/HM 90553</div> <div></div> <div></div> <div>Product Addition Desktop Mount for LCD Monitor VMC-15/17/19, LCD/HMC Series</div>	<div>RK-C179L2EA 91145</div> <div></div> <div></div> <div>19" Rack Mounting 19" Rack mount for LM-H171 / LM-H191</div>	<div>AG-01 90459</div> <div></div> <div></div> <div>Mounting Multimedia Directional LCD Arm for Table and Wall Mount of Neovo Monitor Series</div>	<div>WMK-01 90461</div> <div></div> <div></div> <div>Mounting Low Profile Wall Mount Kit, straight, for Neovo TFT Monitor Series</div>	<div>PMK-01 90506</div> <div></div> <div></div> <div>Product Addition Pivot Mounting Kit for Neovo TFT/LCD Monitor Series</div>
<div>SPK-01 90458</div> <div></div> <div></div> <div>Product Addition Multimedia Speaker Set (2 pcs.) for Neovo TFT Monitor Series</div>	<div>PMCL-RM19 97314</div> <div></div> <div></div> <div>19" Rack Mounting Rack Mount Kit for 19" Pelco 200/300/400 Series LCD Monitors</div>	<div>STB-LM 120114</div> <div></div> <div></div> <div>Mounting Wall mount bracket for STM Monitor Series</div>	<div>LCD-ST/PW 90464</div> <div></div> <div></div> <div>Mounting Desktop Mount for LCD/Plasma Monitors >30", PW(A) Series, Aluminium Finish</div>	<div>LCD-ST/PW23/26 90477</div> <div></div> <div></div> <div>Mounting Desktop Mount for 23" and 26"LCD Monitor Series, Aluminium Finish</div>	<div>VMC-LCD/CMB-1 90449</div> <div></div> <div></div> <div>Mounting Ceiling Mount Bracket, Pan and Tilttable for LCD Monitors 19" to 30"</div>	<div>VMC-LCD/CMB-2 90485</div> <div></div> <div></div> <div>Mounting Ceiling Mount Bracket, Pan and Tilttable for LCD Monitors from 23"</div>
<div>VMC-LCD/WMB-3 90448</div> <div></div> <div></div> <div>Mounting Wall Mount Bracket, Pan and Tilttable for LCD Monitors</div>	<div>LIVORNO 90499</div> <div></div> <div></div> <div>Mounting Wall Mount Bracket, Pan and Tilttable for LCD and Plasma Monitors</div>	<div>MONZA 90498</div> <div></div> <div></div> <div>Mounting Universal Wall Mount Bracket, Tilttable, for LCD and Plasma Monitors</div>	<div>UNO 90505</div> <div></div> <div></div> <div>Mounting Wall Bracket for LCD Monitors up to 23", Pan and Tilttable</div>			

Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

	VMM-9/3 90338	VMM-12/3 90339	VMM-14/1 90439	VMM-17/1 90358	TM-A101G 91084
	 	 	 	 	 
Screen size	9" / 23 cm	12" / 31 cm	14" / 36 cm	17" / 44 cm	10" / 25 cm
Horizontal resolution	1000	1000	1000	900	300
Colour system	black/white	black/white	black/white	black/white	colour
Audio inputs	-	-	-	-	2
Video inputs (type)	VBS	VBS	VBS	VBS	2x CVBS
Supply voltage from/to	100 ~ 240VAC	100 ~ 240VAC	100 ~ 240VAC	120/230VAC	120/230VAC

	VMC-14/3 90524	TM-H150CG 91094	VMC-15HR/1 90441	TM-A170G 90429
	 	 	 	 
Screen size	14" / 36 cm	15" / 38 cm	15" / 38 cm	17" / 44 cm
Horizontal resolution	400	750	650	750
Colour system	colour	colour	colour	colour
Audio inputs	2	2	2	2
Video inputs (type)	CVBS, Y/C	2x CVBS, Y/C	CVBS	2x CVBS, Y/C
Supply voltage from/to	100 ~ 240VAC	120/230VAC	100 ~ 240VAC	120/230VAC

! Good detail definition

Only using monochrome monitors can guarantee good detail definition with a high resolution for high-resolution black and white cameras.

MONITORS | Surveillance Systems

EMD-19/DVR-S1
90533



Video inputs (amount)	16
Audio inputs	4
Serial interfaces	RS-232, RS-485
Screen size	19"
Resolution pixels	1440 x 900
Max. recording rate	400I./Sec.
Intergrated writer	no
HHD (integral)	320GB
(max.)	750GB
Compression standard	H.264
Remote access	Remote Software, Browser
Supply voltage	12VDC
Comments	

MONITORS | Public View Monitors

VMC-26LCD-PW1
90552



VMC-26LCD-PWCL1
90548



VMC-32LCD-PW
90467

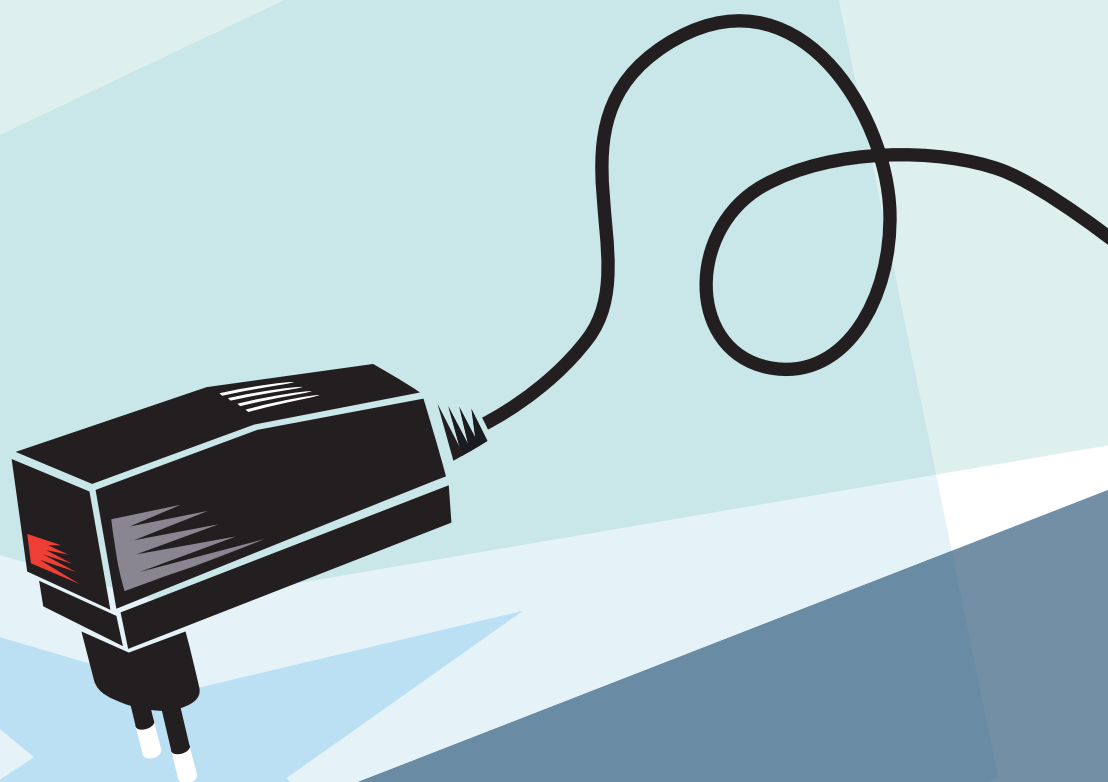


VMC-32LCD-PWCP1
90549



Video inputs (amount)	4	internal and external camera (VCR)	4	internal and external camera (VCR)
Audio inputs	2	2	2	2
Serial interfaces	no	no	no	no
Screen size	26" / 66.04cm	26" / 66.04cm	32" / 81.3cm	32" / 81.3cm
Resolution pixels	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Max. recording rate	-	-	-	-
Intergrated writer	no	no	no	no
HHD (integral)	-	-	-	40GB
(max.)	-	-	-	40GB
Compression standard	-	-	-	JPEG, MPEG-1/2, MPEG-4.2 ASP
Remote access	no	no	no	
Supply voltage	24VDC, 100-240VAC, 50/60Hz	24VDC, 230VAC	100-240VAC, 50/60Hz	100-240VAC, 50/60Hz
Comments		Integrated 1/3" Colour Camera with 4-9mm Lens		Integrated 1/3" Colour Camera with 4-9mm Lens

Products in the tables above are sorted by: 1. Brand, 2. Screen size, 3. Type



ACCESSORIES | Power Supplies

PLAN200.18 74195  	AK-2 70456  	AK-3 70457  	NE-128 70449  	NE-132/AC24V 70527  	NE-133 70537  	VT-PS12DC-10 70543  
Power Supplies Power Supply Unit with PowerLAN, 200Mbps, with Encryption, 12VDC/230VAC	Power Supplies Camera Connection Box for Standard and Ethernet Cameras	Power Supplies Camera Connection box, 230VAC Input 24VAC-100W, 12VDC-1A Output	Power Supplies Voltage supply unit 230V/24VAC-5A, IP66	Power Supplies Power Supply Unit 230VAC/24VAC (1.0A)	Power Supplies Voltage Supply Unit 100-240VAC/8x 12VDC-500mA	Power Supplies Plugable AC/DC Adapter 100-240V/12VDC- 2.5A, stab., Cont. & UK Mains plug-ins
VT-PS12DC-7 70495  	VT-PS12DC-8 70535  	VT-PS12DCDT1 77773  	615P-1/EU 70243  	MCS16-10 92128  	MCS16-20 92129  	MCS4-2 92126  
Power Supplies Plugable PSU w. Cont. & UK Mains plug-in 100-240VAC/12VDC-1.25A, Regulated	Power Supplies Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, with DC Plug	Power Supplies PSU 12VDC/1.0A, Regulated, Desktop Version, 1.8m Cables each w. open ends	Power Supplies Power Supply Unit 230VAC/13.8VDC (850mA) stabilized	Power Supplies Power Supply 230V/24VAC-28VAC (10A), 16 Outputs	Power Supplies Power Supply 230V/24VAC-28VAC (20A), 16 Outputs	Power Supplies Power Supply 230V/24VAC (2A), 4 Outputs
MCS8-5 92127  	WCS1-4 73527  					
Power Supplies Power Supply 230V/24VAC-28VAC (5A), 8 Outputs	Power Supplies Power Supply 230V/24VAC-28VAC (4A) in weatherproof Housing					








Products in the tables above are sorted by: 1. Brand, 2. Categorie, 3. Type

Plugs / Sockets / Tools | ACCESSORIES

A-3F 86271 	E4JCM 85126 	K/1 SCHWARZ 87210 	XLR-3 KB 84508 	XLR-3 KS 84507 	XLR-4 KB 84501 	XLR-4 KS 84500 
Plugs / Sockets / Tools Coax Cable Stripper, 3-Size Self Adjustable	Plugs / Sockets / Tools 4-Pin S-VHS Female Socket for Central Hole	Plugs / Sockets / Tools Safety Cable Bush for BNC and PL Crimp Plugs	Plugs / Sockets / Tools Kabel Jack NC3FX	Plugs / Sockets / Tools Cable Plug NC3MX	Plugs / Sockets / Tools Kabel Jack NC4FX	Plugs / Sockets / Tools Cable Plug NC4MX
Z/UB 87200 	A14 83450 	A19 80270 	A21 80220 	A25 83480 	A80 84390 	ACB-159 88165 
Plugs / Sockets / Tools Crimp Tool for PL and BNC Plugs	Plugs / Sockets / Tools BNC Jack/Cinch Plug Adapter	Plugs / Sockets / Tools BNC Jack-Plug-Jack Adapter, T-Shaped	Plugs / Sockets / Tools BNC Jack to Jack Adapter, Straight	Plugs / Sockets / Tools BNC Plug/Cinch Jack Adapter	Plugs / Sockets / Tools BNC Angled Jack to Jack Adapter	Plugs / Sockets / Tools 100 BNC Twister Connectors for RG59U Cable, 6.2mm
ACT-200 88163 	AWT-101 88164 	B-BLCM 85530 	BJ-CM 85510 	BJ-CMV 85360 	BNC REMOVER 88156 	EV-011A 88161 
Plugs / Sockets / Tools BNC Plug Twister Tool with Short-circuit Proof	Plugs / Sockets / Tools Wire Stripper for BNC Twister Plugs	Plugs / Sockets / Tools BNC Jack to Jack Chassis	Plugs / Sockets / Tools BNC Chassis Socket	Plugs / Sockets / Tools BNC Chassis Mount Jack, Fully Isolated	Plugs / Sockets / Tools BNC Connector Remo- ver BRS-100 (2 pcs.)	Plugs / Sockets / Tools 10 BNC Twister Connec- tors for RG59U 6.2mm Diameter
EV-012 88162 	EV-013 88166 	EV-021A 88157 	EV-032A 88158 	EV-033 88159 	RAPPORT II 88172 	RAPPORT II-PRO 88173 
Plugs / Sockets / Tools 10 Adapter BNC Plug to Cinch Jack	Plugs / Sockets / Tools 10 Adapter BNC Jack to Cinch Plug	Plugs / Sockets / Tools 20 BNC Twister Connec- tors for RG59U 6.2mm with BNC Twister ACT-100	Plugs / Sockets / Tools 2 BNC Connectors for RG59U, BNC Twister ACT-100, Cable Stripper AWT-101	Plugs / Sockets / Tools 10 BNC/Cinch Con- vertor	Plugs / Sockets / Tools Multifunctional CCTV Tester with 3.5" LCD Display Monitor with Portable bag	Plugs / Sockets / Tools Multifunctional CCTV Tester with 3.5" LCD Display Monitor with Portable DVR








Products in the tables above are sorted by: 1. Brand, 2. Kategorie, 3. Type












ACCESSORIES | Plugs / Sockets / Tools





B/0.37 87195	B/0.37K 87196	B/0.42 87204	B/0.6/2.8 AF GG 87198	B/1 87190	B/2 87193	K 0.6/2.8 SW 87217
						
Plugs / Sockets / Tools	Plugs / Sockets / Tools	Plugs / Sockets / Tools	Plugs / Sockets / Tools	Plugs / Sockets / Tools	Plugs / Sockets / Tools	Plugs / Sockets / Tools
BNC Crimp Plug for Cable „0.37“	BNC Crimp Cable Socket for Cable „0.37“	BNC Crimp Plug for Cable #87404 („0.42“)	BNC Crimp Plug up to 270 Mb/s	BNC Crimp Plug for Cable RG59U	BNC Crimp Female Plug for Cable RG59U	Safety Cable Bush for BNC 0.6/2.8

K-0.37/SW 87197

Plugs / Sockets / Tools
Safety Cable Bush for BNC and PL Crimp Plugs „0.37“

100 86350	1000 86341	100F 86380	200 86340	500 86342	A 2002-S/M 87426	MRGB-3M 87416
<i>bedea</i>	<i>bedea</i>	<i>bedea</i>	<i>bedea</i>	<i>bedea</i>	<i>bedea</i>	<i>bedea</i>
						
Cables	Cables	Cables	Cables	Cables	Cables	Cables
Coaxial Video Cable w. Rigid Center Core 100m	Video Cable 1000m	Coaxial Video Cable with Flexibel Center Core, 100M	Coaxial Video Cable w. Rigid Center Core 200m	Video Cable 500m	Audio Micro Cable, Flexibel, Black	RGB Coax Video Cable, 3 Wires

MRGB/2S-5M 87418	MRGB/2S-5R 87417	S-VHSM-CM 87423	BB-300 86450	BB-750 86460	BB-90 86440	MCAB-1 87404
<i>bedea</i>	<i>bedea</i>	<i>bedea</i>				
						
Cables	Cables	Cables	Cables	Cables	Cables	Cables
Videokabel 5 Wires	Video Cable 5 Wires, 100m	S-VHS Video Cable, 2 Coax Wires, 1.0m	Video Cable BNC Plug to BNC Plug, Length 3.0m	Video Cable BNC Plug to BNC Plug, Length 7.5m	Video Cable BNC Plug to BNC Plug, Length 0.9m	Camera/PT Head Connecting Cable f. Video Power, RS-Control or Network, 1 Metre

MCAB-2/100 87406	MCAB-2/200 87407
	
	
Cables	Cables
Multicore Connecting Cable, 100m, Video& Power	Multicore Connecting Cable, 200m, Video& Power

[illegible]

General Terms and Conditions of VIDEOR E. Hartig GmbH

as of 1 January 2007

1. General

- 1.1 The below-listed general terms and conditions of Videor E. Hartig GmbH (hereinafter Videor) apply to business transactions with Videor if the party ordering is an entrepreneur as defined by Art. 14, BGB (German Civil Code) or a legal entity or separate estate under public law.
- 1.2 These General Terms and Conditions of Videor shall apply exclusively. Any differing, conflicting or supplemental terms and conditions of the party ordering shall only become part of the contract if and to the extent Videor has given its express written consent. This requirement of consent applies in any case, even if Videor executes a delivery without reservation in spite of being aware of the general terms and conditions of the party ordering.
- 1.3 The party ordering is bound to his/her offer of contract for 3 weeks.
- 1.4 The contract will come into effect when Videor confirms acceptance thereof in writing or effects performance or delivery within the deadline.
- 1.5 Videor reserves its exploitation rights without restriction on all proprietary and copyrighted cost estimates, drawings and other documents (hereinafter referred to as documentation). The documentation may only be made accessible to third parties with the prior consent of Videor and must be returned to Videor without delay on request if Videor is not granted the contract.
- 1.6 The party ordering has the non-exclusive right to use standard software with the agreed performance characteristics in unaltered form on the agreed hardware. The party ordering is entitled to make back-up copies without any explicit agreement to this effect.
- 1.7 All agreements, collateral agreements, provisos, amendments and supplements to the contract must be recorded in writing in the interest of conservation of evidence.

2. Prices

- 2.1 Prices are subject to change unless fixed prices have been agreed. The Videor prices valid on the day of delivery or performance in accordance with the Videor price lists shall apply ex Videor delivery stores.
- 2.2 All prices are without discounts or any other deductions plus value-added tax at the rate valid on the date of delivery or performance.
- 2.3 The costs of packaging, loading and shipping from the Videor delivery stores are at the expense of the party ordering. When delivering goods upon which duty has not been paid, the party ordering must pay the charges levied by the customs authorities and any related costs.

3. Terms of Payment

- 3.1 With the exception of agreements made expressly to the contrary, payment is always due at the latest when the purchased items are picked up or, in the event of shipment, when they are handed over to the freight forwarder or carrier.
- 3.2 All payments must be made in cash without any deductions at a Videor paying office. Only Videor cash desks are entitled to take receipt of money. Any credit transfers may only be made to accounts held by Videor. Videor sales personnel do not have collection authority.
- 3.3 Videor reserves the right to refuse bills of exchange or cheques. Bills of exchange or cheques will only be accepted by way of payment and without any guarantee of punctual submission or timely protest. All cheque and bill of exchange fees and costs are at the expense of the party ordering and are due for immediate payment to Videor.
- 3.4 If the party ordering is in default of all or parts of his/her payments and if mature bills of exchange in particular are not honoured in time or cheques not cashed upon presentation, Videor can accelerate maturity of all claims arising from the business relationship with advance notice of one week. This also applies to bills of exchange with later maturity. All demands for payment made by Videor which arise from the business relationship will become due for immediate payment without advance notice if the party ordering discontinues his/her payments or if an application is made to open insolvency proceedings against his/her assets.
- 3.5 The party ordering has no rights of offsetting or retention unless his/her counter-claims have not been contested by Videor or established finally and absolutely.

4. Delivery – Delayed Delivery

- 4.1 In the interest of conservation of evidence, delivery times and deadlines must be agreed to in writing. With the exception of agreements made expressly to the contrary, all details of delivery times and deadlines are non-binding only and are subject to the proviso of complete and prompt delivery to Videor by advance suppliers.
- 4.2 If delivery times and deadlines which have been agreed in a non-binding manner are exceeded by more than 6 weeks, the party ordering can demand in writing that Videor make delivery within an appropriate space of time. Videor will be considered to be in default once the deadline set in this way has expired without performance. Videor can only be held liable for damage due to delays to the extent outlined in Section 9, below.
- 4.3 The prerequisite for Videor's compliance with dates and deadlines is correct and punctual fulfillment of all obligations by the party ordering. This includes in particular compliance with the agreed terms of payment and the timely receipt of all documentation, any necessary licenses and the release authorization of plans in particular to be delivered by the party ordering.

- 4.4 Partial deliveries by Videor are permissible as long as they can be reasonably expected of the party ordering.

- 4.5 Instances of force majeure entitle Videor to postpone delivery for the duration of the obstruction plus an appropriate restart period. If it becomes unreasonable for either party to fulfil the contract, that party may withdraw from the contract to that extent. Force majeure is considered to be all circumstances which make it considerably more difficult or impossible for Videor to make delivery, such as currency, trading policy or other sovereign measures, strikes, lock outs, operational disturbances (e.g. fire, mechanical breakdown, raw material or energy shortages) as well as transport route obstructions, irrespective of whether these circumstances occur at Videor, a supplier's plant or a Videor subcontractor.

- 4.6 The right is reserved by the manufacturer to make alterations to the construction, shape, colour shade and scope of delivery throughout the delivery period, provided that the purchased item is not significantly altered and the alterations can be accepted as reasonable by the party ordering. No rights can be asserted against Videor for the use of type codes or numbers for the purchased item.

5. Acceptance/Shipment – Transfer of Risk

- 5.1 The party ordering is obliged to make acceptance of the purchased item within 8 days of receipt of notification of availability or a shipping order. Shipment is made in the name, at the expense and at the risk of the party ordering. Videor is entitled to charge flatrate freight costs to cover freight expenses.
- 5.2 If the party ordering fails to make acceptance of the purchased item within 2 weeks of receipt of notification of availability, Videor can set the party ordering a deadline of 8 days in writing. Once this deadline has expired without action, Videor is entitled to withdraw from the purchase contract by means of a written declaration to this effect and/or claim damages in place of performance. If Videor claims damages in place of performance, this will amount to 20 % of the purchase price. Both parties reserve the right to provide evidence of major or minor damage.
- 5.3 If the purchased item is to be shipped and no agreements to the contrary have been made, it is left over to Videor to select the transport mode and route. If the wrong selection is made, Videor can only be held liable to the extent outlined in Section 9, below.
- 5.4 Videor is entitled but not obliged to take out transport insurance on behalf and for the account of the party ordering unless the party ordering contradicts insurance of this kind.
- 5.5 The risk, including that of accidental loss or deterioration of the purchased item, is transferred from Videor to the party ordering upon expiry of the availability deadline or, if shipped, as soon as the purchased item is delivered to the freight forwarder or carrier, but at the latest as soon as it leaves the Videor delivery store, irrespective of whether shipment is made from the place of performance or freight paid.
- 5.6 The party ordering is not entitled to refuse receipt of the purchased item due to irrelevant defects.

6. Retention of Title

- 6.1 The delivered goods (hereinafter referred to as reserved goods) will remain the property of Videor until complete payment of the purchase price has been made and all other claims made by Videor in connection with the transaction (e.g. bill of exchange costs, financing costs, interest, repair and conversion costs) have been settled.
- 6.2 For Videor, as the manufacturer as defined by Art. 950, BGB, the handling and processing of the reserved goods does not put Videor under any obligation. If the party ordering processes the goods along with other goods that do not belong to Videor, Videor is entitled to co-ownership of the manufactured object in the ratio of the invoice value of the processed reserved goods to the sum of the invoice values of all other goods used in the manufacturing process. If reserved goods are mixed or connected with other objects, thus bringing about the expiry of Videor's ownership of the reserved goods (Arts. 947, 948, BGB), it is regarded as agreed even now that the party ordering's ownership share in the mixed item or uniform object will be passed on to Videor to the extent of the invoice value of the reserved goods and that the party ordering will safeguard these goods for Videor with the diligence of a prudent businessman.

The objects created through processing, connection or mixing are reserved goods as defined by these general terms and conditions.

- 6.3 For the duration of the retention of title, the sale, pledging, transfer of ownership by way of security, rental or other relinquishment of the reserved goods to third parties which might impair the security status of Videor are only permitted with the advance, written consent of Videor, as are the alteration, processing, mixing, connection or utilization of said goods.

- 6.4 The party ordering may only sell the reserved goods in the ordinary course of business. He/she herewith transfers to Videor all claims against third parties arising from the further sale or other legal transactions which may affect the reserved goods in future, along with all ancillary rights and security interest in their total. Videor accepts the transfer.

If the reserved goods are sold after being connected to, mixed with or processed with other goods not belonging to Videor, transfer will only be to the extent of Videor's co-ownership share in the item or stock sold. If the party ordering has

a current account relationship with his/her buyer, the transfer will relate to the balance claim at the end of an accounting period.

If the reserved goods are used by the party ordering for the fulfillment of a contract for work and services or plant delivery contract, the claim arising from such a contract will be transferred in advance to Videor to the same extent that it has been determined above for claims from further sale.

The party ordering is entitled to collect the claims transferred to Videor in the ordinary course of business to the extent that he/she fulfils his/her contractual obligations towards Videor. The party ordering is not entitled to transfer or sell the claim unless he or she receives the final and complete equivalent sum of the claim.

- 6.5 If the value of the securities that exist for Videor exceeds not only temporarily the claims of Videor by a total of more than 20%, Videor will on demand release securities of their choice of corresponding value.

- 6.6 The party ordering is obliged to maintain reserved goods in an orderly condition for the duration of the retention of title. Any damage to the reserved goods caused or detected by the party ordering which occurred after the risk was transferred to him/her must be reported to Videor in writing without delay.

Any repairs required during the retention of title must be coordinated with Videor and made immediately at their request.

- 6.7 If the party ordering is in default of payment or he/she has not fulfilled his/her obligations in regard to the reserved goods in accordance with Section 6 of these terms and conditions, and if Videor has withdrawn from the contract because of this violation, Videor can demand the return of the reserved goods with the exclusion of all rights of retention. The right of Videor to withdraw under the conditions defined in Art. 323, BGB and demand the return of the reserved goods extends to all purchased items still covered by retention of title by Videor at the time of withdrawal.

The costs of returning and re-utilizing the reserved goods will be carried by the party ordering. The return and re-utilization costs are set individually without proof at 10 % of the re-utilization proceeds plus any VAT that may be due. The right is reserved to provide evidence of higher or lower return and re-utilization costs. The re-utilization proceeds and any down payments made on the purchase price will be offset against the claims of Videor after deduction of all costs and other claims by Videor connected with the purchase contract. The party ordering will be credited with any surpluses.

7. Liability for Material Defects

- 7.1 Contrary to the law, the limitation period for claims by the party ordering for material defects on newly manufactured movable items purchased from Videor by the party ordering is one year from the start of the legal limitation period. This shortened limitation period will not apply in instances where human life is lost, physical injury occurs, health is damaged or where Videor deliberately or negligently fails to comply with its duties or fraudulently conceals a defect.

- 7.2 If the party ordering asserts a claim for subsequent fulfillment on newly manufactured movable items due to a material defect, Videor has the option of either repairing the defect or replacing the defective item with a non-defective item.

- 7.3 The party ordering is not entitled to claim for expenses required for the purpose of subsequent fulfillment – in particular, transport, road, labour and material costs – if the costs increase because the delivered object was moved subsequently to a place other than the party ordering's place of business, unless the removal complies with its intended purpose.

- 7.4 The sale of used removable items by Videor to the party ordering is not subject to material defect liability of any kind. Any liability claims the party ordering may be asserting against Videor in instances where human life has been lost, physical injury has occurred or health has been damaged or where Videor has deliberately or negligently failed to comply with its duties or fraudulently concealed a defect are not affected by this.

- 7.5 The party ordering is obliged to report any material defects to Videor in writing without delay.

8. IX Industrial Property Rights and Copyright; Defects of Title

- 8.1 Unless agreed otherwise, Videor is only obliged to make delivery in the country in which the place of delivery is located free from any industrial property rights and copyright (hereinafter referred to as property rights) of any third parties. If a third party asserts any justified claims against the party ordering for infringement of property rights caused by any deliveries made by Videor and used in accordance with the terms of contract, Videor is liable to the party ordering as follows within the deadline set in Item 7.1:

- 8.1.1 At its own expense for the deliveries in question and as desired, Videor will either obtain a right of use and amend it in such a way that the property rights are not infringed, or replace it. If it is not possible for Videor to do so under appropriate conditions, the party ordering is entitled to make use of his/her legal rights of rescission or reduction.

- 8.1.2 Damage claims against Videor for defects of title of this kind can only be asserted as outlined in Section 9.

- 8.1.3 The above-mentioned obligations of Videor only exist if the party ordering notifies Videor in writing and without delay of the claims being asserted by a third party and does not acknowledge an infringement, and if Videor reserves the right to all defensive measures and compromise negotiations. If the party ordering discontinues utilization of the delivery to minimize damage or for other important reasons, he/she is obliged to inform the third party that discontinuation of utilization does not constitute acknowledgement of a property

right infringement.

- 8.2 The party ordering is not entitled to make any claims if he/she is responsible for the property right infringement.

- 8.3 Claims by the party ordering are also not permitted if the property right infringement was caused by particular specifications given by the party ordering, an application that was not foreseeable by Videor or by the fact that the delivery was altered by the party ordering or utilized together with other products not supplied by Videor.

- 8.4 The provisions of Section 7 apply to all other defects of title.

- 8.5 Further reaching claims by the party ordering against Videor and its vicarious agents or claims other than those outlined in this section for defects of title are precluded. Used movable items are sold by Videor to the party ordering under exclusion of all defect of title liability.

9. Liability

- 9.1 In the event of intent or gross negligence, Videor, its legal representatives or its vicarious agents will be held liable for all damage to the party ordering caused by Videor irrespective of the legal ground but in particular due to infringement of duties from the obligation and unlawful acts and for reimbursement of expenses in accordance with Art. 284 BGB.

In the event of the grossly negligent infringement of non-essential contractual obligations by simple vicarious agents, Videor may only be held liable for typical damage that was foreseeable at the time the contract was signed.

In the event of slight negligence, Videor, its legal representatives or vicarious agents will only be held liable if the damage was caused by an infringement of essential contractual obligations and only for typical damage that was foreseeable at the time the contract was signed. Videor may not be held liable in all other instances of slight negligence.

- 9.2 Videor is liable without restriction in all instances where Videor is responsible for the loss of human life, causing physical injury or damaging health.

- 9.3 The personal liability of the legal representatives, vicarious agents and company employees of Videor for damage caused by them through slight negligence is excluded.

- 9.4. In the event of fraudulent concealment of a defect, the acceptance of a warranty or procurement risk or in accordance with the product liability law, the liability of Videor will remain unaffected irrespective of any fault.

- 9.5 All damage claims by the party ordering, irrespective of the legal ground but in particular those due to unlawful acts and possible claims for reimbursement of expenses in accordance with Art. 284, BGB, fall under the statute of limitations with the expiry of the limitation deadline applicable to material damage claims in accordance with Section 7. The legal limitation regulations will apply in instances where life has been lost, physical damage has occurred or health has been impaired, in the event of intent or gross negligence and with damage claims in accordance with the product liability law.

- 9.6 The party ordering is obliged to record in writing and without delay any damage claims for which Videor is to be held responsible or have them recorded by a Videor representative.

10. Place of Fulfillment, Point of Delivery, Place of Jurisdiction, Assignment and Return of Packaging

- 10.1 The place of fulfillment is Rödermark.

- 10.2 The law of the Federal Republic of Germany applies. The application of UN commercial law (United Nations Convention on Contracts for the International Sale of Goods [CISG]) is excluded.

- 10.3 It is agreed that Frankfurt am Main shall be the exclusive place of jurisdiction for all disputes arising from the business relationship, including those arising from bill of exchange or cheque issues.

- 10.4 The assignment of claims against Videor requires the advance written consent of Videor.

General Terms and Conditions for the Software of VIDEOR E. Hartig GmbH (hereinafter referred to as VIDEOR) for the Provision of Standard Software (Software GTCB)

valid as of 1 January 2007

1. Scope of application

1.1 These General Terms and Conditions apply in addition to the General Terms and Conditions of VIDEOR to the provision of software (purchase of software) for an unlimited period of time. If software is provided for use as an integral part of a delivery of related hardware or in connection with such a delivery, these Terms and Conditions are applicable if a breach of duty or defective performance was caused by the software; the General Terms and Conditions of VIDEOR apply to the hardware exclusively in other respects.

1.2 Insofar as these Terms and Conditions do not contain any provisions, the General Terms and Conditions of VIDEOR are applicable which are available on the website www.videor.com. We will be pleased to send the General Terms and Conditions of VIDEOR to customers upon request.

1.3 VIDEOR assumes no obligation to provide software services, to maintain software or to set-up and install software with these Terms and Conditions. This requires a separate agreement.

1.4 In addition, VIDEOR has no obligations whatsoever during any trial period granted to the customer free of charge in which he may evaluate the software before purchasing it.

2. Subject matter of the contract

2.1 The nature and the fields of application of the software are defined solely in the product description and in addition in the operating instructions, unless otherwise individually agreed.

2.2 The software is supplied exclusively in an executable form (object code) with operating instructions in the language stated in the product description and installation description; no further documentation shall be provided, unless expressly otherwise agreed. The operating instructions and installation description can also be provided electronically, in particular by the possibility of retrieving these online.

2.3 The software is supplied by providing a data carrier or, insofar as agreed or requested by the customer, by downloading it from the Internet via a link provided by VIDEOR.

3. Excluded fields of application for software

Attention is expressly drawn to the fact that, unless expressly agreed otherwise in an individual case, the software was not developed nor planned nor produced for use in dangerous fields of application which require fault-free operation to prevent bodily harm, death or an impairment to health or damage to the environment. The software is not suitable for use in, or in connection with, energy power stations, air traffic navigation or communications, air traffic control, any other traffic control, for the operation or monitoring of medical or other vital or life-supporting or life-maintaining equipment, weaponry or similarly dangerous fields in which faults in the product can directly or indirectly lead to death, physical impairments or impairments to the health of persons or to serious physical or biological or ecological damage ("high risk activities").

4. Rights of use

4.1 The software (program, product description and operating instructions) is legally protected. Copyrights, patent rights, trademark rights and all other ancillary copyrights to the software and to other objects which VIDEOR provides or makes accessible to the customer in the course of the initiation and implementation of the contract are exclusively due to VIDEOR in the relationship between the parties. Insofar as third parties have rights, VIDEOR has acquired or licensed the required rights of use and exploitation.

Upon payment in full, VIDEOR grants the customer the right to use the software to the extent defined in the contract. Unless the field of software application is otherwise agreed, this right includes a simple right of use to operate the software at a workstation on a computer unit (simple licence) for an unlimited period. Thus the customer is authorised to install, load and execute the software on the maximum number of workstations agreed for the agreed duration of the right.

4.2 Every computer unit with a CPU is deemed to be a computer. Use in a network is permitted only if expressly agreed (multiple/multi-station licence), whereby the maximum number of simultaneous users shall be defined. This also applies if the software is not reproduced within the network. Use of the software through the provision thereof to third parties via remote data transmission, particularly in the form of Application Service Providing (ASP), is not permitted unless expressly agreed.

4.3 Simultaneous use of the software on more than the agreed number of workstations (excess use) is prohibited. The customer is obliged to immediately notify VIDEOR of any excess use. For the period of excess use, i.e. from the beginning thereof until the conclusion of an appropriate agreement or until cessation of the excess use, the customer is obliged to pay compensation for the excess use which shall be charged for the proportionate period of time at double the price of the software used according to the price list valid at the time of the breach of the contract, whereby the parties shall take a 3-year straight-line method of depreciation as the basis for calculating the compensation. This is without prejudice to the assertion of a claim for further damages in addition to the contractual penalty. The customer is free to furnish proof that less damage occurred.

4.4 The customer may transfer the right of use to the software to a third party if he completely ceases use himself, particularly if, upon transfer of the right, he deletes, destroys or hands over to the third party any and all documentation, copies etc. Insofar as a multiple/multi-station licence was granted, this may only be transferred as an entirety. Any transfer of individual workstation authorisations under a multiple/multi-station licence results in an unagreed expansion/intensification of the use of the software and is thus expressly prohibited.

Clause 4.3 applies accordingly. Sub-licensing is prohibited.

4.5 In the event that the right of use is transferred to third parties, e.g. in the course of reselling, the customer shall inform VIDEOR of the name and address of the recipient and draw the recipient's attention particularly to clause 3 (no high risk activities) and to the scope of the license pursuant to this clause 4.

4.6 VIDEOR is entitled to take appropriate and effective measures to prevent prohibited reproductions or other unauthorized use. VIDEOR shall draw attention to such measures in the product description prior to conclusion of contract. In particular, VIDEOR is authorised to make the usability of the software contingent on the use of uniquely marked hardware (e.g. dongle/hardlock), which means that, technically, the software can be used only in conjunction with this hardware component. VIDEOR is also authorised to make the usability of the software contingent on the prior personalized registration of the user via an online registration system operated by the software producer. The rights of the customer under Section 69 d (2) and (3) and Section 69 e UrhG [German Copyright Act] remain unaffected.

4.7 The rights granted are subject to the condition precedent that the purchase price is paid in full.

5. Customer's duties to cooperate

5.1 The customer is responsible for ensuring that programs and data are saved on a regular basis. The customer shall take adequate precautions in the event that the program fails to work completely or partly (e.g. by data back up, fault diagnosis, regular checking of results). He is responsible for ensuring that the work environment of the program is operating. If the customer acts in breach of these obligations, VIDEOR shall not be liable if damage is caused as a result thereof. In particular, VIDEOR shall not be liable for the recovery of lost or damaged data or programs.

5.2 The customer is obliged to refrain from any and all use of the software in high risk activities (clause 3).

6. Defects in title

6.1 Claims based on defects in title are governed by clause 8 of the General Terms and Conditions of VIDEOR and the following clause 7 of these General Terms and Conditions for Software.

6.2 The customer shall immediately notify VIDEOR in writing if third parties assert proprietary rights (e.g. copyrights or patent rights) against him. The customer shall not recognise the infringement of the proprietary right asserted by third parties and shall leave any and all disputes, including any out-of-court settlements, either to VIDEOR or conduct such only after consulting VIDEOR. VIDEOR shall pay the necessary court and lawyers' fees incurred by the customer as a result of defending rights. Insofar as the customer is responsible for the infringement of the proprietary right himself, claims against VIDEOR are excluded.

7. Defects in quality

7.1 A warranty period of 12 months is granted for the software. This does not apply to the right of recourse under Section 478 BGB [German Civil Code].

7.2 Only proven and reproducible deviations from the specification when using the software in accordance with the contract are deemed to be defects which are not defects in title. A defect is not considered to exist if it does not arise in the last version of the software supplied and the customer can be reasonably expected to use such.

7.3 The customer is obliged to immediately examine all items supplied by VIDEOR after delivery in accordance with provisions under commercial law (Section 377 HGB [German Commercial Code]) and to immediately notify VIDEOR in writing of any defects. The defect and the respective data processing environment must be described as exactly as possible in such notification. Further requirements pursuant to Section 377 HGB remain unaffected.

7.4 Claims based on defects are not deemed to exist

- in the case of damage occurring as a result of faulty or negligent treatment by the customer,

- for consequences arising from alterations made by the customer or third parties, - for software which was expanded by the customer or a third party beyond an interface provided for this purpose by VIDEOR or the software manufacturer, if the defect is based on this,

- if the software provided is not compatible with the data processing software used by the customer, unless expressly described as compatible in the product description or operating instructions.

7.5 If the software has a defect, VIDEOR shall initially be given the opportunity of rendering subsequent performance within a reasonable period. VIDEOR has the option of choosing whether to render subsequent performance by rectifying the defect (subsequent improvement) or by supplying a replacement.

7.6 Unless VIDEOR chooses any other kind of subsequent performance, subsequent performance shall be effected by rectifying a software defect as follows:

7.6.1 VIDEOR shall provide a new revision level (update) or a new version (upgrade) of the software as a replacement for use as appropriate if available at VIDEOR or if this can be obtained with a reasonable amount of effort. Otherwise the defect shall be rectified at the old revision level.

7.6.2 Until provision of the update or upgrade, VIDEOR shall make an interim solution available to the customer to bypass the defect if the continuance of the defect is unacceptable for the customer, for example because he is no longer able to process urgent tasks as a result of the defect.

7.6.3 If a data carrier or the documentation supplied is defective, VIDEOR shall replace

these with a substitute which is free from defects.

- 7.6.4 At the option of Videor, the defect shall be rectified on the premises of Videor or on the customer's premises. Should Videor choose to rectify the defect on the customer's premises, the latter shall make the hardware and software and any other necessary operating states (including the required computer time) available with suitable operating personnel. In addition, the customer shall also provide to Videor the documents and information at its disposal required to rectify the defect.
- 7.7 If the subsequent performance fails, the customer may cancel the contract or reduce the remuneration – irrespective of any claims for damages based on the General Terms and Conditions. The customer only has a right of cancellation and a claim for damages instead of performance based on non-performance or performance not rendered as owed in the event of serious defects.
- 7.8 Where a notice of defects has been given, the customer may only retain payments to an extent which bears a reasonable relation to the defects that have arisen.
- 7.9 Where a notice of defects has been wrongfully given, Videor is entitled to demand that the customer refunds the expenditure incurred to examine the defect. In particular, Videor may demand the additional costs incurred as a result of a modification of the software, use thereof outside the prescribed environment or incorrect operation thereof. The burden of proof lies with the customer. Section 254 BGB [German Civil Code] applies mutatis mutandis.
- 7.10 In other respects, clause 9 of the General Terms and Conditions of Videor applies to claims for damages. Any further claims of the customer against Videor or its vicarious agents are excluded.

8. Secrecy, Data Protection

- 8.1 The subject matter of the contract, records and documents, proposals, test programs etc. of Videor which are made accessible to the customer prior to or after conclusion of contract are considered to be intellectual property and a business or trade secret of Videor and must be kept secret in accordance with the following provisions shown in this clause 8.
- 8.2 The parties to the contract undertake to treat as confidential all objects (e.g. software, documents and records, information) which they receive from the other party respectively or gain knowledge of prior to or during the implementation of the contract and which are legally protected or contain business or trade secrets or are marked as confidential, also after the end of the contract, unless they become publicly known without any infringement of this duty to maintain secrecy. The parties to the contract shall store and safeguard these objects in such a manner that it is impossible for third parties to gain access thereto.
- 8.3 The customer shall only make the subject matter of the contract accessible to employees and other third parties which require access to carry out the tasks assigned to them. He shall instruct such persons of the necessity to keep the objects secret.
- 8.4 Videor shall store the data of the customer required to process the transactions in compliance with data protection laws.

To Fax No.: +49 6074-888 100

Conditions of use for the „Partner’s Area” of the website

February 2004

Videor E. Hartig GmbH (Hereinafter referred to as Videor) makes an information and ordering system available to its authorised marketing partner via its own company website only within the framework of these conditions of use.

1. Right to admission / confidentiality

When it acknowledges the current conditions of use, the marketing partner receives a right to admission to the partner’s area of the website. This right to admission is awarded to each of the client’s business contacts that has been registered with Videor, and consists of the client number, a user name and a password. The marketing partner nominates at least one administrator, who manages its employees’ authorisations. The marketing partner may only authorise trustworthy employees to undertake administration and place orders, and is itself responsible for the authorisation profile of its employees. All rights to admission must be kept confidential by the marketing partner and its employees, and are not be passed on to third parties. The marketing partner undertakes, when an employee has left its company, to delete his or her access immediately.

2. Orders

Orders conveyed electronically via the website and order confirmations received count as have been placed in writing and signed, and the user recognition carried in them counts as proof of the sender’s identity. This means that the marketing partner individualised by means of the user recognition is legally bound to each order placed under its name. The marketing partner must check its order details carefully.

3. Order processing

Quotations and details of prices made by Videor electronically are given without obligation and are subject to alteration. Only on receipt of the electronic order confirmation and/or of a written order confirmation from Videor may the marketing partner assume that Videor has received, and is processing, the order it has placed. A contract of sale therefore only materialises with Videor’s electronic and/or written order confirmation, or at the latest at the marketing partner’s acceptance of the delivery. In the case of electronic ordering of merchandise, the current Videor price contained in the electronic and/or written order confirmation and other conditions (such as freight costs, packaging costs or customer discounts) apply. Daily control of incoming order confirmations is incumbent on the marketing partner, which undertakes to check these immediately and, if necessary, contradict them.

4. General industrial property rights

The marketing partner undertakes to observe all Videor’s industrial property rights, and this applies particularly to its employees. It is at any time conceded to the marketing partner, revocably, that it may allow the information put at its disposal in the context of the partner’s area of the website (with the exception of the electronic fact sheets) to flow into whatever electronic merchandise control system it uses.

Any use should be made exclusively in the context of, and for the purposes of, data maintenance for the customer’s own electronic merchandise control database. With respect to this possible use the marketing partner is, however, forbidden from disclosing to third parties the logos and typefaces used by Videor and the availability of its products. The marketing partner is forbidden from using the information other than for this specified purpose and must impose a corresponding obligation on its employees.

5. Liability

Videor endeavours to update the information made available on each working day, but assumes no liability for the accuracy in terms of content of the information made available on the website. In particular, only the prices detailed and the conditions in Videor’s order confirmation are legally binding. The marketing partner is aware that Internet-based services are quite often subject to crashes that are outside Videor’s control. It assumes in this respect no guarantee for the uninterrupted functional capability of the website. Videor is not liable for the loss of information or the destruction of data in the course of its transmission. In the event of objective and comprehensible indications that a transmission has not been made, or has been made inaccurately or incompletely, the business partners will inform each other, reciprocally and immediately. It is incumbent on the marketing partner to have available the necessary and functionally capable means of access, and in particular the hardware and software and the necessary Internet browser. These means of access lie in the marketing partner’s area of responsibility, and the marketing partner also itself bears all the costs of gaining access to the Internet and the costs of transmission. The marketing partner is itself responsible for controlling access to its network, for the security and protection of the files of its computers and of its means of transmission. The marketing partner is, in particular, obliged to take protective measures for the purposes of data security that are appropriate and in line with the latest technology.

6. Term

Videor grants access to the partner’s area of the website, subject to compliance with these conditions of use, for an unlimited period of time. When the marketing partnership comes to an end, if there is any breach or misuse of these conditions of use, or if there are any other justified reasons for doing so, Videor reserves the right, without giving any period of notice, to block access to the partner’s area of the website.

7. Miscellaneous

The current version of the General Terms and Conditions of Videor E. Hartig GmbH applies otherwise. German law applies, and Rödermark is the place of jurisdiction.

Yes, I declare therewith my agreement with the conditions of use for the „Partner’s Area” of Videor’s website.

The following person is to be provided with administrative rights:

_____	_____
Person to contact	Customer No.
_____	_____
eMail address	Company
_____	_____
Telephone	Place, date, signature

Fax	

Your Customer Account Profile

U.K.: Fax +44 870-7749 955 / Continent: Fax +49 6074-888 100

Invoice Address

Company

Website

Street

P.O.B.

Post Code/City

Country

Phone

Fax

Delivery Address (if different)

Street

Post Code/City

Country

Business Segment

HRB-No. *(Please attach a copy of your registration)*

VAT-ID

Kind of business

What percentage of your turnover is attained with CCTV business?

%

Contact Person

(Please copy this form if other colleagues in your company would also like to receive brochures)

Surname

Phone

First name

Mobile

Titel

Fax

Funktion

eMail

Dept.



Service at VIDEOR: Large portfolio of products and services

We have made our Service Department fit for the future with the move of this important department into the newly constructed TechCenter.

Optimum working conditions

In addition to the more generous space, which gives much room for expansion and allows greater spare parts storage, our planning centred on the re-equipment and optimal location of all workstations with the same equipment and functionalities. Product tests are therefore always made in absolutely identical conditions without prior workstation conversion being necessary. Test comparability is increased and differences in product quality therefore become even more apparent – an important point for quality assurance.

Great value was also placed on optimum lighting, the most important features of the re-equipment, as the best possible illumination is of course needed when working in particular on miniature devices.

Central signal distribution – also HD/SDI

All signals are distributed centrally through an Axon signal distributor, which allows access from all workstations. And this applies to all formats – even HD/SDI. Outside devices are also connected via fibre-optic components, so tests meeting normal requirements of real-life conditions can be carried out at any time. An intranet has been installed solely for the Service Department for its network components.

Exchange service

As an alternative to a repair, you can also take advantage of our exchange service. You are given an exchange unit instead of your repaired equipment, so you don't have to wait for the repair to be completed. The exchange service is free of charge during the warranty period. Outside of the warranty period we charge our reasonable service rates (which would also be the same as for a repair) for the exchange service. In special cases you also have the option of using our exchange service as a



To finalize repair the pan & tilt head has to pass thorough functional tests.



Generous space with re-equipped workstations

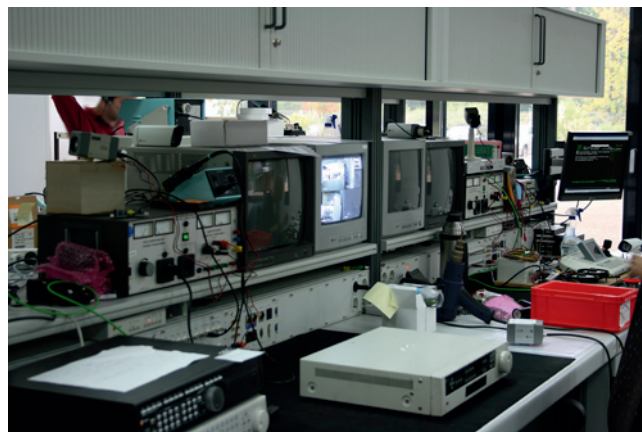


The direct dialogue between customer and service technician clarifies possible problems and causes of fault.

pre-exchange service: we send you an exchange unit, and upon its receipt you simply send the defective unit to us.

Service flat fees

We have introduced flat fees so that you can also plan your repairs with reliability. For instance, you can establish in advance the price of a repair to your camera or recorder. You can find



All workstations are provided with the same equipment.

these reasonable service flat fees ready to download from our website.



Services for Broadcast Products

In addition to services for our security customers, we of course also offer extensive services for broadcast products.

Official Fujinon service centre

We are – as the exclusive dealer for Germany and Austria – an official Fujinon service centre and our lens specialists will be happy to deal with all issues and needs on your Fujinon lenses. Regardless of whether it is a repair or maintenance.

Leasing Pool with Lenses

We can quickly send you a replacement lens from our leasing pool stock of normally used lenses should a repair last for some time.

TVlogic

Repairs to TVlogic monitors are normally carried out directly at VIDEOR, so that no waiting time arises through dispatch to the manufacturer. And our service technicians can of course also carry out professional colour calibration.

Naturally, we will also be delighted to help you in all service aspects for all the broadcast products we sell, and we deal directly with manufacturers for your maintenance or repair requests.

Return Procedure

Dear customer,

We hope, you are happy with our products and services. If it is nonetheless necessary to send something back to us, please note the following description regarding our RMA procedure. We want to process your returns as fast and trouble-free as possible.

Step 1

Only in case of transport damages: Very important!

- Report the damage to the delivery company immediately. If you do not do this your insurance coverage will become invalid.
- If the delivery company does not want to check the damage you can return the damaged goods to Videor.
(cf. step 2).

Only in case of sample or loan consignment

Please use the RMA No. stated on the delivery note!

Step 2

Issue of an RMA No.

- Please contact us for an RMA No. for your return

Tel. No. 0870 7749944

- Alternatively, you can send the completed RMA form on the next page to the Fax No. 0870 7749955. You will then receive an RMA No. from us or we will call back.

• Please note that returns without an RMA No. cannot be processed and will be sent back to you.

- The issued RMA No. applies for a period of 14 days.

Step 3

RMA Form

- Enter this RMA No. in the respective field on the RMA form and fill in the form completely.
- Please state the number for the return reason on the form and give a detailed description in case of repairs, modifications or transport damages.
- You can find this form on our website at www.videor.com

Step 4

Return Shipment

- Include a completed RMA form with your return consignment, together with a copy of the delivery note or invoice.
- Write the RMA No. on the outside of the package. Please do **not** write the RMA No. on the original product packaging.
- The goods must be properly packaged.
- Send the package carriage paid to the following address:

*Videor E. Hartig GmbH
Carl-Zeiss-Straße 8
63322 Rödermark
Germany*



● You can reach us here:

Videor

E. Hartig GmbH
Carl-Zeiss-Straße 8
D-63322 Rödermark

Central Warehouse:

Carl-Zeiss-Straße 8
D-63322 Rödermark/
Germany

Head Office:

Phone: ++49 6074/888-0
Fax: ++49 6074/888-100
info@videor.com

VIDEOR U.K.

The Cottage, Ashlyns Hall,
Chesham Road,
Berkhamsted,
Hertfordshire HP4 2ST
Phone: +44 870 / 7749944
Fax: +44 870 / 7749955

Service:

Tel.: ++49 6074/888-215
Fax: ++49 6074/888-117
service@videor.com

Internet:

www.videor.com

Vous trouvez ce formulaire en langue française sous le site www.videor.com/rma/fr

Sie finden dieses Formlular in deutsch auf unserer Website unter www.videor.com/rma/dt

Encuentran este formulario en castellano bajo www.videor.com/rma/es

RMA form

Please fill in completely and clearly!

Company:

Customer No.:

First Name:

Last Name:

Street:

Postale Code/City:

Country:

eMail:

Telephone:

Fax:

Your contact at Videor:

RMA-No. for
this return

R

**Please always
state the return
reason!**

Return reasons:

- 03** Transport damage
(Please describe!)
- 05** Samples or loan
consignment returned
- 06** We ordered wrong
items
- 07** Videor delivered
wrong items
- 15** Substitute delivery
returned
- 93** Please make a quote
for costs of repairs
- 94** Warranty repair
(Please describe!)
- 95** Modify article
(Please describe!)
- 99** Other reason
(Please describe!)

Important!

Please always fill in
reasons for repairs,
modifications and
transport damages
(return reasons 03, 93-
95, 99)!

The following articles are sent back:

Amount	Art-No.	Type	Serial No. (if applicable)	from Delivery/Innvoice No.	Reason

Comments/Fault and damage description:

Only for transport damages

Delivery Company: ☐ Shipping agency ☐ United Parcel Service ☐ Deutsche Post ☐

The damage is ☐ visible ☐ invisible When was the damage discovered? _____

Was the apparent damage notified to the delivery company? ☐ yes ☐ no

City/Date

Signature/Stamp



For your notes

[illegible]

[illegible]

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**Need help finding the right product?
We are here to help:**

Sales Security/Networking:

security@videor.com

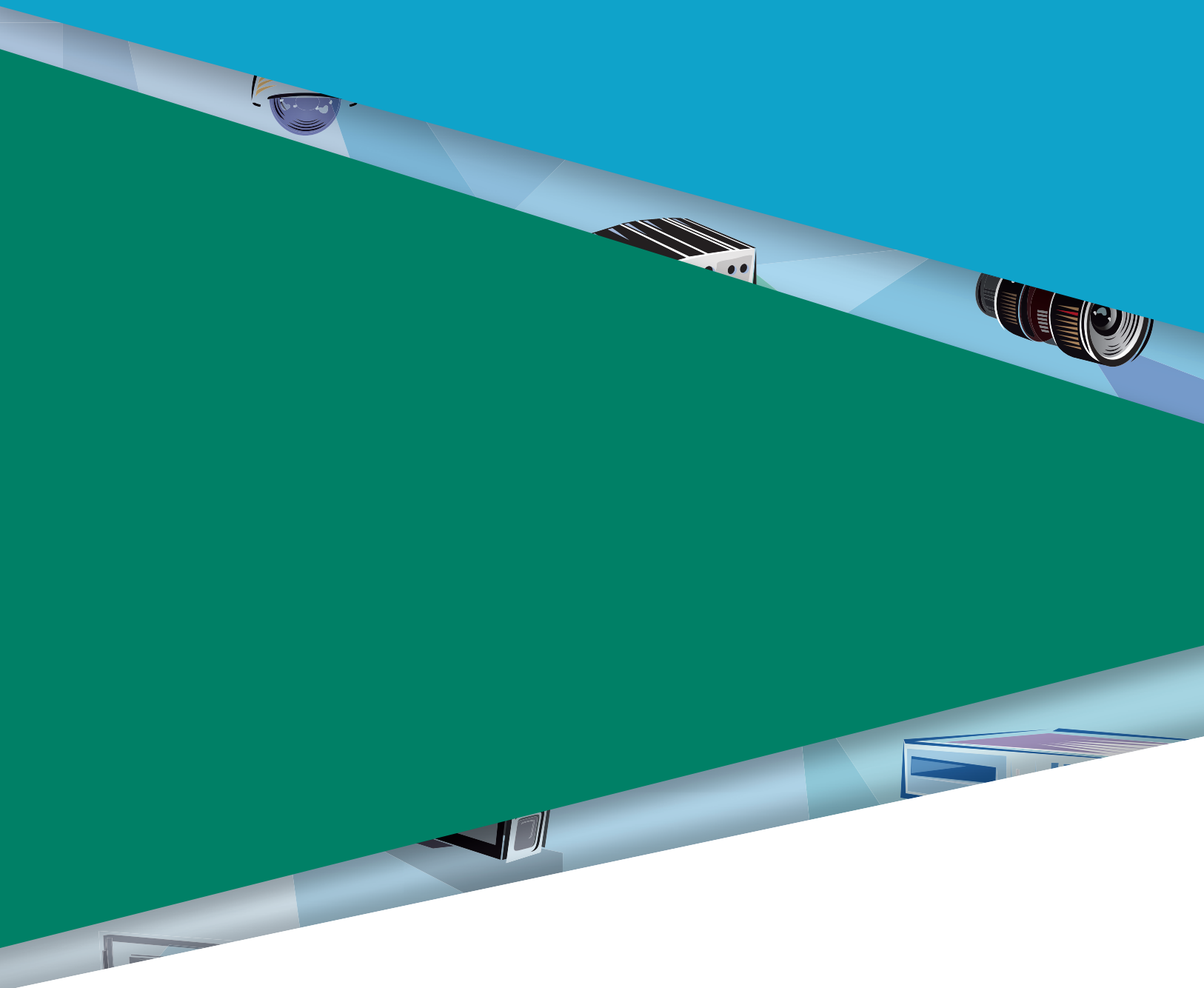
Phone U.K.: +44 870 774 9944

Phone Continent: +49 6074/888-300

Sales Imaging:

imaging@videor.com

+49 6074/888-232



VIDEOR