

PROFESSIONAL VIDEO TECHNOLOGY



www.eneo-security.com
www.gugo-26cm.pl

eneo is the Specialist for Video Surveillance

The eneo product portfolio covers products as well as solutions that are typified by strict quality standards (EN ISO 9001:2008). And each and every product is outstanding value for money, something still to find an equal in the industry.

Extensive product portfolio

With over 650 products available for delivery you will certainly find the right solution for every application. And Product Management is constantly keeping an eye on new technologies and innovative products that can boost the eneo product portfolio and simultaneously fulfil the high quality requirements.

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You obtain eneo products exclusively from qualified authorised dealers and security system installers that give you the competent advice you can expect from professionals. Six to eight weeks delivery time? Not for eneo: high stock levels at our distributors ensure optimum availability to achieve dispatch readiness for numerous products within 24 hours.

Highly developed services

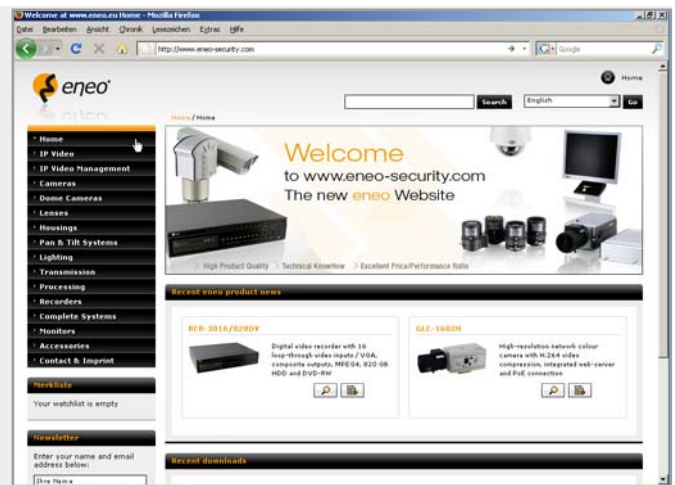
You have done the right thing in opting for eneo when it comes to all-embracing services: Technical advice before the purchase? No problem. And you are not left alone after the purchase: Difficulties in installation? A product technician specialist will be happy to assist you. And a service team is on hand for maintenance and repair as well as product modifications. A large and comprehensive spare parts store guarantees that all services – even for products no longer available – are carried out within a very short time. And with the cost-effective fixed charges for different devices you know in advance what the repair or maintenance will cost.

Assured quality

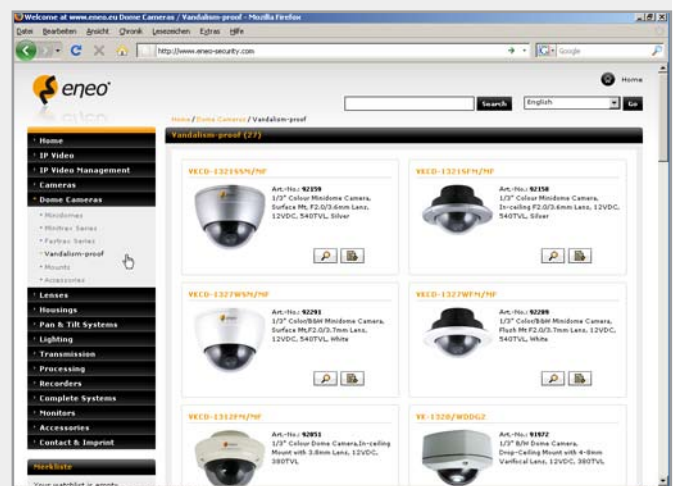
Customer satisfaction is the ultimate priority for eneo products. This is not only achieved through a high level of reliability and transparency. All processes – from the incoming inspection right up to the order – must therefore conform to detailed laid-down procedures. Certification compliant with DIN ISO 9002 was achieved as long ago as in 1994, with EN ISO 9001:2000 in 2002. EN ISO 9001:2008 was granted in May 2009. External auditors from an independent auditing company regularly confirm that compliance with the high requirements of the ISO standard continue to be maintained.

New, professional website

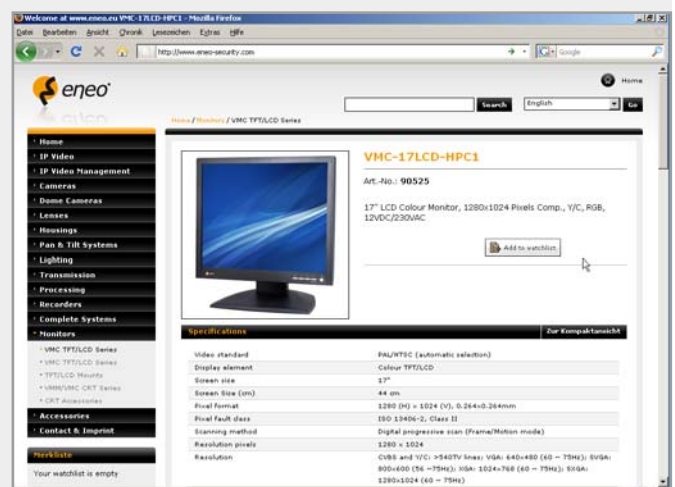
On the newly designed website www.eneo-security.com you can find copious information on all eneo products, such as datasheets, firmware and software updates and operating manuals.



The new website at www.eneo-security.com



Easy navigation, quick product overview



All Product data and downloads at a glance

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Network Cameras

	GLC-1701/IR 96092	GLC-1702 96093	NTC-2101 93152	GLC-1401 91535	GLC-1401/PP312 96081
					
System	day&night	day&night	Colour	Colour	Colour
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Resolution (Pixels)	720 x 576	720 x 576	720 x 576	704 x 576	704 x 576
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MPEG4	MJPEG, MPEG4	MJPEG, MPEG4
Image transm. rate max.	25B./Sek.	25B./Sek.	25B./Sek.	25B./Sek.	25B./Sek.
Integration rate	no	yes	yes	no	no
Switchable IR cut filter	yes	yes	no	no	no
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	yes	no	no
Activity detection	yes	yes	yes	yes	yes
PTZ Support	no	no	no	yes	yes
Focal length	3,8-9,5 mm	3,8-9,5 mm	Lens is not included	Lens is not included	2,8-12 mm
Supply voltage	12VDC	12VDC	12VDC	5VDC	230VAC
Comments	IR Illumination by 15 integrated 850nm LEDs				In VHM Weatherproof Housing

	GLC-1401/PP38 96080	GLC-1601 91575	GLC-1602H 92515	NTC-4101 93153	NTC-4151/PP 93158
					
System	Colour	day&night	Colour	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	704 x 576	704 x 576	704 x 576	720 x 576	720 x 576
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MJPEG, H.264	MPEG4	MPEG4
Image transm. rate max.	25B./Sek.	25B./Sek.	25B./Sek.	25B./Sek.	25B./Sek.
Integration rate	no	no	no	yes	yes
Switchable IR cut filter	no	yes	no	yes	yes
Backlight compensation	BLC	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	no	yes	yes
Activity detection	yes	yes	yes	yes	yes
PTZ Support	yes	yes	yes	yes	no
Focal length	3-8 mm	Lens is not included	Lens is not included	3,9-85,8 mm	3,9-85,8 mm
Supply voltage	230VAC	12VDC, PoE	12VDC	12VDC	12VDC
Comments	In VHM Weatherproof Housing			Inspection certificate „BGV-Kassen“	

Dome Network Cameras

	GLD-1401 91576	GLD-1501/IR 92392	NTD-2101 93154	NTD-4101 93155	NTD-6101/18 93151
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD	1/4" CCD
Resolution (Pixels)	704 x 576	704 x 576	720 x 576	720 x 576	720 x 576
Compression standard	MJPEG, MPEG4	MJPEG, MPEG4	MPEG4	MPEG4	MPEG4
Image transm. rate max.	25B./Sek.	25B./Sek.	25B./Sek.	25B./Sek.	25B./Sek.
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Integration rate	no	no	yes	no	yes
Switchable IR cut filter	no	no	no	no	yes
Backlight compensation	no	BLC	BLC	BLC	BLC
Dig. noise reduction	no	no	yes	no	no
Activity detection	yes	yes	yes	yes	yes
Focal length	3,6 mm	3,3-12 mm	4-9 mm	3,15-31,5 mm	4,1-73,8 mm
Rotation range	360 °	360 °	359 °	359 °	360 °
Prot. rating / Colour (bubble)	IP54 / clear	IP20 / clear	IP66 / clear	IP66 / clear	IP40 / clear
Vandalism resistant	yes	yes	yes	yes	no
Supply voltage	12VDC	12VDC, 24VAC	12VDC	12VDC	12VDC
Comments		IR Illumination by 18 integral 850nm LEDs			

Free of charge: NT Manager and GL Manager

NT Manager comes bundled free of charge with eneo NT Series network cameras as the management software; it is the GL Manager for eneo GL Series cameras.

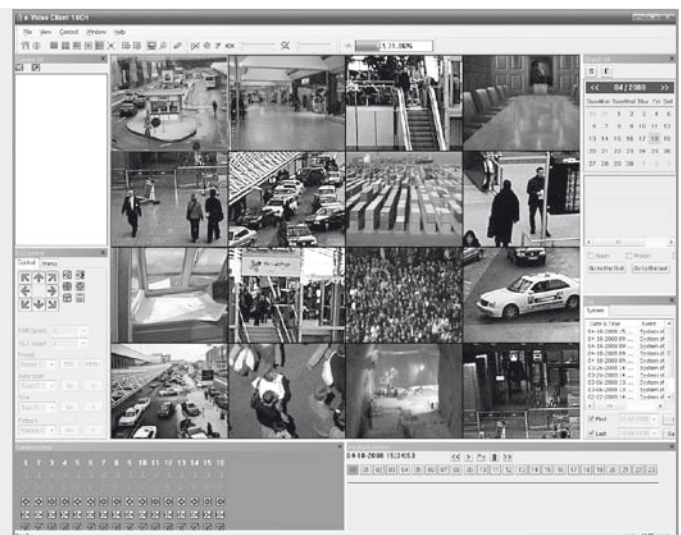
However, each version of the management software can only manage its own models, mixed operation is therefore not possible. You can download it at www.eneo-security.com.

GL Manager

The software supports the control, recording and configuration for GL Series network cameras as well as the simultaneous connection and display of up to 16 video sources. Automatic alarm image display, time or event controlled recording and multi-level password protection are only a few features offered by this powerful software solution.





NT Manager

Up to 16 video sources can be displayed, recorded and configured simultaneously over the intuitively operated user interface of the NT Manager software. In addition to models with real-time telemetry functions, mouse actions can actuate and save presets as well as display guard tours and patterns. The calendar can be used to jump to









the desired recording period via the search menu. The 24-hour time list then differentiates between the following colour-marked events: alarm (blue), motion (red) and manually triggered recordings (green). The program also offers bidirectional audio as well the option to record according to a configured schedule in addition to multi-level password protection.

Servers

	GLS-2101 91573	NTS-2101 93101	GLS-2104 91555	NTS-2104 93102
				
Video inputs (amount)	1	1	4	4
Alarm inputs	yes	yes	yes	yes
Audio support	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Resolution max.	720 x 576	720 x 576	704 x 272	720 x 576
Compression standard	MJPEG, MPEG4	MPEG4	MJPEG	MPEG4
Image transm. rate max.	25B./Sek.	25B./Sek.	25B./Sek.	25B./Sek.
Internal storage	no	no	no	no
PTZ Support	yes	yes	yes	yes
Serial interfaces	RS-485	RS-485	RS-485	RS-485
Supply voltage	12VDC	5VDC	12VDC	5VDC
19" Rack mountable	no	no	no	no
Comments				Quad Mode only

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

Accessories

NTD-OPX/IPX-CC1 74144	EHL-W/ECLKA-NW 79658	GLD/WMB-1 92517	NTDF-AKS1 74145	EHL-BLS/12VDC 79665	GL-MANAGER 91538
					
Cables	Housings	Mounting	Mounting	Product Addition	Product Addition
Connection cable for NTD-6101/xx Network Domes in In/Outdoor Housing	Weatherproof Housing w. RJ-45 Connector, Heater/Thermostat, Wall Bracket, RAL9002	Wall Mount for GLD-1501/IR	Power & Connection Box with Mounting Bracket for In/Outdoor, 230V-12VDC/24VAC	Blower Kit 230V/50Hz with Thermostat for EHL-W/ECLKB Housing, 12VDC	Remote Administration Interface Software for eneo NW Series GL

NT-MANAGER
93156



Product Addition
Remote Administration
Interface Software for eneo
NW Series NT

Zelaris_IP: Seamless integration into external systems

Zelaris_IP is one of the most extensive software solutions for management of digital and analogue video sources.

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.

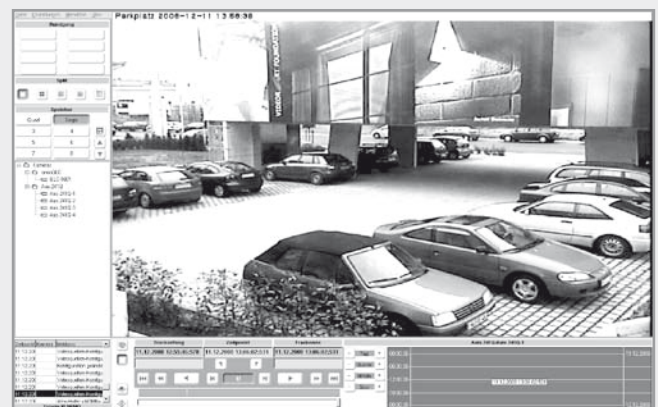
A graphical user interface together with a script language provides a user-friendly way of executing even complex video systems, and import interfaces to AutoCAD, DWG and DXF provide support for the creation of graphics. The program interface is ergonomically designed and only displays those controls 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 HL version of Zelaris is used as a client workstation designed for large-scale surveillance installations with up to 16,000 video sources at maximum extension level (depending on the system) and is particularly suited to the requirements of control posts in the security, finance and police sectors.

Series Zelarix_IP

	ZELARIS_IP HL-B 76047	ZELARIS_IP HL-E 76058	ZELARIS_IP O-AL 76036	ZELARIS_IP O-KB 74115	ZELARIS_IP O-PX 76032
					
Licence	Full Version	Full Version	Full Version	Full Version	Full Version
Description	Video Management Software for Control Rooms, Basic Version 1024 Channels	Zelarix Controlling- & Management SW High Level, Extension: 1024 Channels	OPC Server for Zelarix-IP Control of Central Stations	OPC Software Module for Pelco Keyboards KBD100, KBD200A, KBD300A	OPC Server PxContact for one Alarm Module FL IL24BK-B-PAC
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	Windows 2000, Windows 2003, Windows XP, Windows Vista	Windows 2000, Windows 2003, Windows XP, Windows Vista
Licensing type	per client	per client	per channel	per channel	per channel
Support of mobile units	no	no	no	no	no
Alarm management	OPC-Server, OPC-Client, FTP	OPC-Server, OPC-Client, FTP	no	no	no
Alarm management	yes	yes	no	no	no
Site maps	yes	yes	no	no	no
Multi monitor operation	yes	yes	no	no	no
PTZ Support	yes	yes	no	yes	yes
Recording settings	choosable per channel	choosable per channel	-	-	-
Recording functions	time triggered, permanent, motion detector, contact, OPC	time triggered, permanent, motion detector, contact, OPC	-	-	-
Supported network suppliers	Axis H.264, Axis MJPEG, Axis MPEG-4, eneo MJPEG, eneo MPEG-4, JVC, Mobotix, Panasonic, Sony, TRENnet, D-Link, Vivotek, Basler, Lumenera, Dallmeier, Bosch	Axis H.264, Axis MJPEG, Axis MPEG-4, eneo MJPEG, eneo MPEG-4, JVC, Mobotix, Panasonic, Sony, TRENnet, D-Link, Vivotek, Basler, Lumenera, Dallmeier, Bosch	all of OPC Foundation	all of OPC Foundation	all of OPC Foundation
Supported video sources	network camera, digital video recorder, network encoder, analogue camera	network camera, digital video recorder, network encoder, analogue camera	-	-	-
Managable video sources max.	16384	16384	-	-	-
Analysis mode	live, archive	live, archive	no	no	no
Analysis Functions	Activity detection, Obstruction detection	Activity detection, Obstruction detection	no	no	no
Comments	Extension with Zelarix_IP HL-E possible (see Accessories), product upgrades will be found in chapter Accessories	Only in Combination with Zelarix_IP Server			

Series Zelarix_IP

	ZELARIS_IP S04 76053	ZELARIS_IP S04E 76056	ZELARIS_IP V04 76051	ZELARIS_IP V04E 76055	ZELARIS_IP VC 76003
					
Licence	Full Version	Upgrade	Full Version	Full Version	Full Version
Description	Server/Client Video Management Software Basic Version, 4 Camera Server license	Software Extension for Zelarix_IP S04 for further 4 Cameras, max. 64 Cameras	Video Management Software for Standalone Systems, Basic Version, 4 Cameras	Software Extension for Zelarix_IP V04 for further 4 Cameras, max. 64 Cameras	Client Version for Zelarix_IP Server for one Workstation
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	Windows 2000, Windows 2003, Windows XP, Windows Vista	Windows 2000, Windows 2003, Windows XP, Windows Vista
Licensing type	per channel	per channel	per channel	per channel	per client
Support of mobile units	no	no	no	no	no
Alarm management	eMail, OPC-Server, OPC-Client, scripting language, FTP	eMail, OPC-Server, OPC-Client, scripting language, FTP	eMail, OPC-Server, OPC-Client, scripting language, FTP	eMail, OPC-Server, OPC-Client, scripting language, FTP	eMail, OPC-Server, OPC-Client, scripting language, FTP
Alarm management	yes	yes	yes	yes	yes
Site maps	yes	yes	no	no	yes
Multi monitor operation	yes	yes	yes	yes	yes
PTZ Support	yes	yes	yes	yes	yes
Recording settings	choosable per channel	choosable per channel	choosable per channel	choosable per channel	choosable per channel
Recording functions	time triggered, permanent, motion detector, contact, OPC	time triggered, permanent, motion detector, contact	time triggered, permanent, motion detector, contact, OPC	time triggered, permanent, motion detector, contact, OPC	time triggered, permanent, motion detector, contact, OPC
Supported network suppliers	Axis H.264, Axis MJPEG, Axis MPEG-4, eneo MJPEG, eneo MPEG-4, JVC, Mobotix, Panasonic, Sony, TRenDnet, D-Link, Vivotek, Basler, Lumenera, Dallmeier, Bosch	Axis H.264, Axis MJPEG, Axis MPEG-4, eneo MJPEG, eneo MPEG-4, JVC, Mobotix, Panasonic, Sony, TRenDnet, D-Link, Vivotek, Basler, Lumenera, Dallmeier, Bosch	Axis H.264, Axis MJPEG, Axis MPEG-4, eneo MJPEG, eneo MPEG-4, JVC, Mobotix, Panasonic, Sony, TRenDnet, D-Link, Vivotek, Basler, Lumenera, Dallmeier, Bosch	Axis H.264, Axis MJPEG, Axis MPEG-4, eneo MJPEG, eneo MPEG-4, JVC, Mobotix, Panasonic, Sony, TRenDnet, D-Link, Vivotek, Basler, Lumenera, Dallmeier, Bosch	Axis H.264, Axis MJPEG, Axis MPEG-4, eneo MJPEG, eneo MPEG-4, JVC, Mobotix, Panasonic, Sony, TRenDnet, D-Link, Vivotek, Basler, Lumenera, Dallmeier, Bosch
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	network camera, digital video recorder, network encoder, analogue camera	network camera, digital video recorder, network encoder, analogue camera
Managable video sources max.	64	64	64	64	64
Analysis mode	live, archive	live, archive	live, archive	live, archive	live, archive
Analysis Functions	Activity detection, Obstruction detection	Activity detection, Obstruction detection	Activity detection, Obstruction detection	Activity detection, Obstruction detection	Activity detection, Obstruction detection
Comments	Only in Combination with Zelarix Video Client, Extension with Zelarix_IP S04E possible (see Accessories), product upgrades will be found in chapter Accessories	Only in Combination with Zelarix Video Client and Zelarix_IP S04	Extension with Zelarix_IP V04E possible (see Accessories), product upgrades will be found in chapter Accessories	Only in Combination with Zelarix_IP V04	Only in Combination with Zelarix_IP S04/S04E, product upgrades will be found in chapter Accessories

Accessories






S-PRO V.2
76022



Input Devices

Multi-button Jog & Shuttle
Multimedia Controller

Series Zelaris_AC

	ZELARIS_AC C 76012	ZELARIS_AC PDA 76024	ZELARIS_AC S 76011	ZELARIS_AC SMO 76023	ZELARIS_AC VIEW 76027
					
Licence	Full Version	Full Version	Full Version	Full Version	Full Version
Description	Client Software for Zelaris_AC S	PDA Client Option for Zelaris_AC S	Surveillance Software for Network Cameras from eneo, Axis	Site Map Option for Zelaris_AC S	Alarm Playback Option for Zelaris_AC
Licensing type	per channel	per client	per client	per client	per client
Support of mobile units	PDA	PDA	PDA	no	no
Alarm management	eMail, OPC-Server, FTP	OPC-Server, FTP	eMail, OPC-Server, FTP	OPC-Server, FTP	OPC-Server, FTP
Alarm management	yes	yes	yes	yes	yes
Site maps	optional	no	optional	no	no
PTZ Support	yes	yes	yes	yes	yes
Recording functions	-	alarm	alarm	-	-
Supported network suppliers	Axis MPEG-4, Axis MJPEG, eneo MJPEG	Axis MJPEG, Axis MPEG-4, eneo MJPEG, JVC, Mobotix, Panasonic, Sony	Axis MJPEG, Axis MPEG-4, eneo MJPEG	Axis MJPEG, Axis MPEG-4, eneo MJPEG, JVC, Mobotix, Panasonic, Sony	Axis MJPEG, Axis MPEG-4, eneo MJPEG, JVC, Mobotix, Panasonic, Sony
Control units (external)	Mouse, PC Keypad	Mouse, PC Keypad	Mouse, PC Keypad	Mouse, Jog Shuttle, PC Keypad	Mouse, PC Keypad

Zelaris_AC: the solution for all entrances

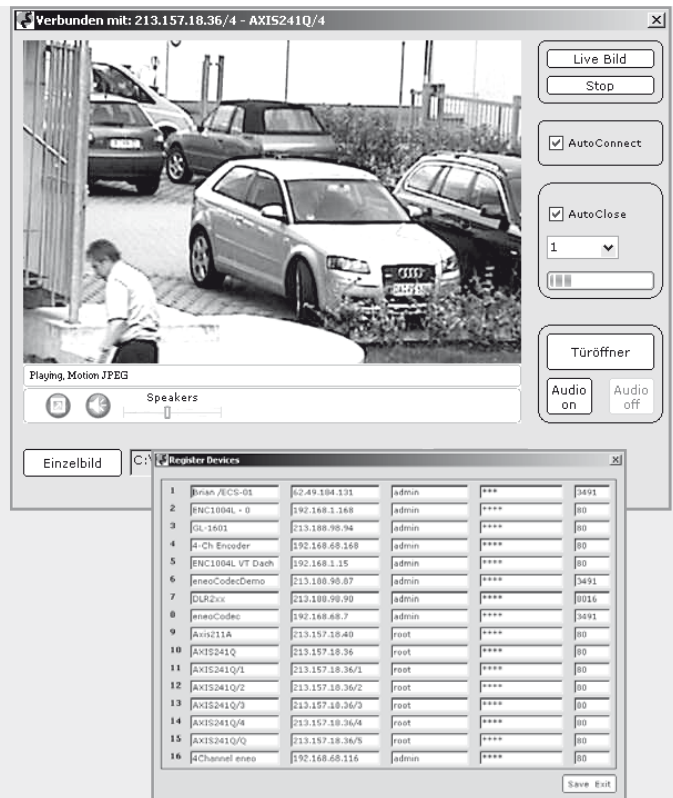
eneo network cameras and AXIS componets with the Zelaris AC Server Software are the solution for all entrances.

Zelaris_AC S and Zelaris_AC C






Network cameras and servers use Ethernet to transmit video, audio and control data through the network. Building entrances or similar areas can be monitored when Zelaris AC Server is installed. The doorbell is connected to the alarm input contact so that the video image is shown in a pop-up window on the PC whenever the bell is pressed. The audio button integrated in the software is then pressed to activate the integral microphone. Pressing the software function key activates a door opener, or similar device, by operating the alarm output contact.






Zelaris_AC SMO

The Site Plan Option is used to display the installed cameras on a site map. This option requires Zelaris AC-S. The camera symbols are dragged from the configuration pool by the mouse and then dropped at the required position. 16 camera symbols are available in the basic version. Bitmap sizes between 640x480 and 320x240 can be selected.













Day/Night

	VKC-1363 92261	VKC-1363/12-24 92259	VKC-1352 92095	VKC-1353/IR 92098	VKC-1356-1/IR 92218
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	580TVL	580TVL	550TVL	550TVL	550TVL
Integration rate	yes	yes	no	yes	yes
Switchable IR cut filter	yes	yes	yes	yes	yes
Backlight compensation	BLC, WDR	BLC, WDR	BLC	BLC	BLC
Dig. noise reduction	no	no	no	yes	yes
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length			3,8 mm	3,8-9,5 mm	3,8-9,5 mm
Lens type	Lens is not included	Lens is not included	fixed focal length	varifocal	varifocal
Protection rating	IP40	IP40	-	IP40	IP54
Hidden cable management	no	no	no	no	yes
Supply voltage	230VAC	12VDC, 24VAC	12VDC	12VDC, 24VAC	12VDC, 24VAC
Comments	UTP signal output	UTP signal output		IR Illumination by 7 integrated 850nm LEDs	IR Illumination by 56 integral 850nm LEDs






	VKC-1358/IR 92136	VKC-1358/IR-922 92157	VKC-1327A-IR/W3 96086	VKC-1327A/VAR49 92154	VKC-1327A/W3 96085
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550TVL	550TVL	540TVL	540TVL	540TVL
Integration rate	no	no	no	yes	yes
Switchable IR cut filter	yes	yes	yes	yes	yes
Backlight compensation	no	no	BLC	BLC	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,8-9,5 mm	9-22 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	IP66	IP67	-	IP67
Hidden cable management	yes	yes	yes	no	yes
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Comments	IR Illumination by 42 integral 850nm LEDs	IR Illumination by 42 integral 850nm LEDs	IR Illumination by 15 integrated 850nm LEDs		






Day/Night

	VKC-1327AW3-650 96089	VKC-1327AW3-922 96088	VKC-1340A 92088	VKC-1340A/12-24 92087	VKC-1348/CM2 92322
					
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	yes	yes	no	no	no
Switchable IR cut filter	yes	yes	yes	yes	yes
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	6-50 mm	9-22 mm			3,8-9,5 mm
Lens type	varifocal	varifocal	Lens is not included	Lens is not included	varifocal
Protection rating	IP67	IP67	IP40	IP40	IP66
Hidden cable management	yes	yes	no	no	no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	230VAC	12VDC, 24VAC	12VDC
Comments			UTP signal output	UTP signal output	

	VKC-1354 92104	VKC-1354/12-24 92103	VKC-1357 92163	VKC-1359IR/W3P 96090	VKC-1333IR/W3 96066
					
Imager	1/3" CCD	1/3" CCD	1/3" DPS (Pixim)	1/3" DPS (Pixim)	1/3" CCD
Horizontal resolution	540TVL	540TVL	540TVL	540TVL	520TVL
Integration rate	yes	yes	yes	yes	yes
Switchable IR cut filter	yes	yes	yes	yes	yes
Backlight compensation	BLC	BLC	BLC, WDR	BLC, WDR	BLC
Dig. noise reduction	yes	yes	yes	yes	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length				3,8-9,5 mm	3,8-9,5 mm
Lens type	Lens is not included	Lens is not included	Lens is not included	varifocal	varifocal
Protection rating	IP40	IP40	IP40	IP67	IP67
Hidden cable management	no	no	no	yes	yes
Supply voltage	230VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Comments				IR Illumination by 17 integral 850nm LEDs	IR Illumination by 15 integral 850nm LEDs

Day/Night

	VKC-1334/W3 96069	CANDID C-05 96077	CANDID C-06 96078	VKC-1330/IR 91968	VKC-1330IR12-24 91967
					
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	520TVL	480TVL	480TVL	480TVL	480TVL
Integration rate	yes	yes	yes	yes	yes
Switchable IR cut filter	yes	yes	yes	yes	yes
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	3,8-9,5 mm	4,5-12,5 mm	7,5-50 mm		
Lens type	varifocal	varifocal	varifocal	Lens is not included	Lens is not included
Protection rating	IP67	IP66/67	IP66/67	IP40	IP40
Hidden cable management	yes	yes	yes	no	no
Supply voltage	12VDC	12VDC	12VDC	230VAC	12VDC, 24VAC
Comments					

	VKC-1334/VAR49 91992	VKC-1343/IR 92091	VKC-1416/IR-VHU 96064	VKC-1416/PP 92237	VKC-1416A/IR 92112
					
Imager	1/3" CCD	1/3" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	480TVL	480TVL	480TVL	480TVL	480TVL
Integration rate	yes	yes	yes	yes	yes
Switchable IR cut filter	yes	yes	yes	yes	yes
Backlight compensation	WDR	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	9-22 mm	3,9-85,8 mm	3,9-85,8 mm	3,9-85,8 mm
Lens type	varifocal	varifocal	zoom	zoom	zoom
Protection rating	-	IP67	IP66/67	IP66	IP40
Hidden cable management	no	no	yes	yes	no
Supply voltage	12VDC	12VDC, 24VAC	12VDC	12VDC, 24VAC	12VDC
Comments		IR Illumination by 40 Integral 850nm LEDs			Inspection certificate „BGV-Kassen“

Day/Night

**VKC-1417/IR
91986**



**VKC-1422
92089**



Imager	1/4" CCD	1/4" CCD
Horizontal resolution	480TVL	480TVL
Integration rate	no	yes
Switchable IR cut filter	yes	yes
Backlight compensation	BLC	BLC
Dig. noise reduction	no	no
Video outputs (type)	CVBS	CVBS
Focal length	3,5-91 mm	3,3-99 mm
Lens type	zoom	zoom
Protection rating	IP40	IP40
Hidden cable management	no	no
Supply voltage	12VDC	12VDC
Comments	IR Illumination by 7 integral 850nm LEDs	

For operation using eneo day/night cameras we recommend our extensive selection of matching day/night lenses.

You can find them on Page 27 of this catalogue and of course at www.eneo-security.com



Colour Security

**VKC-1364/IR-3.7
92331**



**VKC-1364/IR-6
92329**



**VKC-1341A
92079**



**VKC-1341A/12-24
92078**



**VKC-1362
92258**



System	Colour, black/white	Colour, black/white	Colour, black/white	Colour, black/white	Colour, black/white
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550TVL	550TVL	540TVL	540TVL	540TVL
Integration rate	no	no	yes	yes	no
Switchable IR cut filter	no	no	no	no	no
Backlight compensation	no	no	BLC	BLC	BLC
Dig. noise reduction	no	no	yes	yes	no
Video outputs (type)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,7 mm	6 mm	Lens is not included		Lens is not included
Lens type	fixed focal length	fixed focal length	Lens is not included		Lens is not included
Protection rating	IP67	IP67	IP40	IP40	IP40
Hidden cable management	no	no	no	no	no
Supply voltage	12VDC	12VDC	230VAC	12VDC, 24VAC	230VAC
Comments	IR Illumination by 12 integrated 850nm LEDs		IR Illumination by 12 integrated 850nm LEDs		

Colour Security






VKC-1362/12-24
92304VKC-1362/12V
92257VKC-1351/IR-6
92114VKC-1361/IR-4.0
92205VKC-1344/3.8
92077






System	Colour, black/white	Colour, black/white	Colour, black/white	Colour, black/white	Colour
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	520TVL	520TVL	550TVL
Integration rate	no	no	no	yes	no
Switchable IR cut filter	no	no	no	no	no
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			6 mm	4 mm	3.8 mm
Lens type	Lens is not included	Lens is not included	fixed focal length	fixed focal length	varifocal
Protection rating	IP40	IP40	IP67	IP67	-
Hidden cable management	no	no	no	no	no
Supply voltage	12VDC, 24VAC	12VDC	12VDC	12VDC	12VDC
Comments			IR Illumination by 24 integral 850nm LEDs	IR Illumination by 20 integral 850nm LEDs	

VKC-1344/VAR49
92072VKC-1324A/W3
96087VKC-1365T
92524CANDID C-04
96004VKC-135
91506

System	Colour	Colour	Colour	Colour	Colour
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550TVL	540TVL	540TVL	480TVL	480TVL
Integration rate	no	no	no	no	no
Switchable IR cut filter	no	no	no	no	no
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	3.8-9.5 mm	2.9 mm	3-8 mm	4 mm
Lens type	varifocal	varifocal	fixed focal length	varifocal	fixed focal length
Protection rating	-	IP67	IP40	IP66/67	IP42
Hidden cable management	no	yes	yes	yes	no
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Comments			Colour tower camera for facial recognition		

Colour Security

	VKC-1423 92255	VKC-1332/SMD 91987	VKC-1338/PIR 91991	VKC-1314 91849	VKC-1331 91978
					
System	Colour	Colour	Colour	Colour	Colour
Imager	1/4" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	480TVL	470TVL	470TVL	380TVL	380TVL
Integration rate	yes	no	no	no	no
Switchable 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)	CVBS	CVBS	CVBS	CVBS	CVBS
Focal length	3,6-64,8 mm	3,6 mm	3,7 mm	3,6 mm	3,6 mm
Lens type	zoom	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Protection rating	IP40	IP20	IP20	IP40	IP67
Hidden cable management	no	yes	no	no	no
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Comments					

	VKC-1413/VAR25 91843	VKC-144 91756	VKC-144/PH 91774	VKC-1339/VAR49 91999	VKC-1414/VAR39 91983
					
System	Colour	Colour	Colour	Colour	Colour
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	380TVL	380TVL	380TVL	330TVL	330TVL
Integration rate	no	no	no	no	no
Switchable IR cut filter	no	no	no	no	no
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	2,6-5,6 mm	3,6 mm	3,7 mm	4-9 mm	3-9 mm
Lens type	varifocal	fixed focal length	fixed focal length	varifocal	varifocal
Protection rating	-	-	-	-	-
Hidden cable management	no	no	no	no	no
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Comments			Pinhole lens		

B/W Security












VK-1317/PH
91872VK-1317S
91926VK-1321/PIR
91989VK-1322/SMD
91988VK-1316S/12V
91931

Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	600TVL	600TVL	600TVL	600TVL	570TVL
Integration rate	no	no	no	no	no
Switchable IR cut filter	no	no	no	no	no
Backlight compensation	no	no	no	no	BLC
Dig. noise reduction	no	no	no	no	no
Video outputs (type)	VBS	VBS	VBS	VBS	VBS
Focal length	3,7 mm	3,8 mm	3,7 mm	3,7 mm	
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length	Lens is not included
Protection rating	-	-	IP20	IP20	IP40
Hidden cable management	no	no	no	yes	no
Supply voltage	12VDC	12VDC	12VDC	12VDC	12VDC
Comments	Pinhole lens				




VK-1316S/230V
91933VK-1319
91866VK-133
91746VK-133/PH
91773VK-134
91747

Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	570TVL	420TVL	420TVL	420TVL	420TVL
Integration rate	no	no	no	no	no
Switchable 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		3,6 mm	3,8 mm	3,7 mm	3,6 mm
Lens type	Lens is not included	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Protection rating	IP40	IP67	-	-	IP40
Hidden cable management	no	no	no	no	no
Supply voltage	230VAC	12VDC	12VDC	12VDC	12VDC
Comments				Pinhole lens	

Mounts

WD-12 70650	WD-12/E 70230	WD-13 70660	WD-13/E 70220	WD-18 70688	WD-21/RAL9006 70697
					
Mounting Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, RAL7032	Mounting Wall Mount with Ball Joint, extendable, 1/4" Camera Fixing Screw, RAL7032	Mounting Ceiling Mount with Ball Joint, 1/4" Camera Fixing Screw, RAL7032	Mounting Ceiling Mount w. Ball Joint, extendable 1/4" Camera Fixing Screw, RAL7032	Mounting Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, Beige Grey	Mounting Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, RAL9006
WD-22 70769	WD-23 70771	WD-24 70772	WD-8/MK 71310	WD-9N 70023	
					
Mounting Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, Beige Grey	Mounting Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, Pantone 877	Mounting Wall Mount with adjustable Swivel Head, 1/4" Camera Fixing Screw, Black Finish	Mounting Wall Mount with Swivel Head, 1/4" Camera Fixing Screw, Black Finish	Mounting Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, Black Finish	

Accessories

VKCD-1410/KB 92192	VKC-1343/WD1 92111	W3 INST-KIT1 88148	VHU-NT1 79494	VHU-NT2 79557	H0225M 40059
					
Input Devices Remote Controller for VKCD- 1410, VKC-1416(A)/IR and NTC-4101	Mounting Wall Mount Bracket for VKC- 1343/IR	Mounting Installation Kit for W3 Housings with Hidden Junc- tion Boxes	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)	Product Addition F2.5/2.5mm Board Camera Lens, 1/3" M12X0.5
H02625M 40073	H0820M 40061	H1225 40065	I0635M 40063	VKC-1310S/D 91953	
					
Product Addition F2.5/2.6mm Board Camera Lens, 1/3", M12X0.5mm	Product Addition F2.0/8mm Board Camera Lens, 1/3" M12X0.5	Product Addition F2.5/12mm Board camera lens, 1/3" M12x0.5	Product Addition F3.5/6mm Board Camera Lens, 1/3" M12X0.75	Product Addition Dummy camera (VKC-1310S Series) with Dummy Lens	

Minidomes

VKCD-1319SM/3.6
92155



VKCD-1320SM/VF
92156



VKCD-134/HR
92207



VKCD-135/HR
92208



VKCD-143
91801



System	Colour	Colour	Colour	Colour	Colour
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	540TVL	540TVL	550TVL	550TVL	330TVL
Switchable IR cut filter	no	no	no	no	no
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	3-9 mm	3,7 mm	3,7 mm	3,6 mm
Prot. rating / Colour (bubble)	IP40 / clear	IP40 / clear	IP40 / -	IP40 / -	IP40 / clear

VKD-134
91781



VKD-135
91782



VKD-136
91799



System	black/white	black/white	black/white
Imager	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	420TVL	420TVL	420TVL
Switchable IR cut filter	no	no	no
Backlight compensation	no	no	no
Dig. noise reduction	no	no	no
Video outputs (type)	VBS	VBS	VBS
Focal length	3,7 mm	3,7 mm	3,6 mm
Prot. rating / Colour (bubble)	IP40 / -	IP40 / -	IP40 / clear

Minitrax Series

EDMC-142
74116



EDMC-2221
74131



System	Colour	day&night
Imager	1/4" CCD	1/4" CCD
Horizontal resolution	430TVL	480TVL
Switchable IR cut filter	no	yes
Backlight compensation	BLC	BLC
Dig. noise reduction	no	yes
Video outputs (type)	CVBS	CVBS
Focal length	3,15-31,5 mm	3,9-85,8 mm
Rotation range	359°	360°
Speed (manual)	120°/Sek.	150°/Sek.
Speed (Preset)	120°/Sek.	375°/Sek.
Prot. rating / Colour (bubble)	IP65 / clear	IP66 / clear
Vandalism resistant	yes	yes
Comments		Inspection certificate „BGV-Kassen“

Fastrax Series III High Speed Domes with numerous improvements






The introduction of the Fastrax III domes has enabled numerous improvements to be made to the already successful series. In particular, the drive mechanism for the pan/tilt system has undergone significant modifications. These concern above all the ability to vary the speed settings.






Three different speed functions are almost continuously variable, both in pan and in tilt modes – in the slow mode, both the pan and tilt speeds are 19°-90° per second. In normal mode, the speed for the pan function can be set between 40°-360° and the speed for the tilt function to between 40°-360° per second. The turbo mode even allows speeds between 100°-380° (panning) and 100°-360° (tilting) per second. There are also a great number of variable settings with regard to the time taken for guard tours, auto-scan and auto-pan. In total, there are 13 different steps available, meaning that the appropriate setting can be selected for every application and every area monitored. In addition to the normal operating mode and the vector auto-scan mode, it is now possible to call up a random sequence. Furthermore, users can now select from 16 areas rather than eight. Programming and controlling the domes using the OSD menu has become even more convenient, as this menu can now be placed in any position on the monitor. The domes in the Fastrax III series can also move into position at speeds of up to 380°/sec. and up to 240 fixed positions can

be stored. During guard tours, the domes reach the positions via the shortest route, thanks to the vector course. With a resolution of 480 TV lines, they can be used by day and at night, as well as offering eight programmable patterns.

In addition to the Fastrax modules, the Fastrax PP Plug & Play packages are also available. Here there is a choice of two equipment versions. In addition to the dome camera, both versions have an outer housing with a clear dome, as well as heating, ventilator and sun roof. The second version (identified by the additional “AKS” in the model name) also includes a weather-resistant connection box with power supply unit and installation arm. In the bench test carried out for the January edition of the English specialist magazine „Security Installer“, the plug & play version EDCH-144 performed exceptionally well. The EDCH-144 “copes with any situation, from almost complete darkness to scenes with strong back light. Installation is simple and configuration also presents no problems.”

Fastrax Series

	EDC-3182 74169	EDC-3221 74152	EDC-3261 74153	EDC-3262 74170	EDC-3351 74159
					
System	day&night	day&night	day&night	day&night	day&night
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	540TVL	480TVL	480TVL	540TVL	540TVL
Switchable IR cut filter	yes	yes	yes	yes	yes
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°/Sek.	380°/Sek.	380°/Sek.	380°/Sek.	380°/Sek.
Speed (Preset)	380°/Sek.	380°/Sek.	380°/Sek.	380°/Sek.	380°/Sek.
Prot. rating / Colour (bubble)	IP40 / clear	IP40 / clear	IP40 / clear	IP40 / clear	IP40 / clear
Vandalism resistant	no	no	no	no	no
Comments		Inspection certificate „BGV-Kassen“			

	EDC-3362 74161	EDCH-142E/C 74123	EDCH-142E/C-AKS 74141	EDCH-144E/C 74119	EDCH-144E/C-AKS 74142
					
System	day&night	day&night	day&night	day&night	day&night
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	540TVL	480TVL	480TVL	480TVL	480TVL
Switchable IR cut filter	yes	yes	yes	yes	yes
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°/Sek.	90°/Sek.	90°/Sek.	90°/Sek.	90°/Sek.
Speed (Preset)	380°/Sek.	360°/Sek.	360°/Sek.	360°/Sek.	360°/Sek.
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	With Power&Connection Box and wall bracket	Wall bracket not included	With Power&Connection Box and wall bracket

Vandalism-proof

**VKC-1327A/WDDG1
92166**

**VKC-1327A/WDDG2
92167**

**VKCD-1311FM/VF
92048**

**VKCD-1311SM/VF
92049**

**VKCD-1313FM/MF
92053**


System	day&night	day&night	Colour	Colour	Colour
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	550TVL	550TVL	550TVL
Switchable IR cut filter	yes	yes	no	no	no
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	3,8-9,5 mm	3,8-9,5 mm	4-9 mm	4-9 mm	3,8 mm
Prot. rating / Colour (bubble)	IP65 / clear	IP65 / clear	IP65 / tinted	IP65 / tinted	IP65 / tinted
Comments				Inspection certificate „BGV-Kassen“	

**VKCD-1313SM/MF
92054**

**VKCD-1315FM/VF
92057**

**VKCD-1315SM/VF
92058**

**VKCD-1317FMH/VF
92096**

**VKCD-1317SMH/VF
92097**


System	Colour	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550TVL	480TVL	480TVL	550TVL	550TVL
Switchable IR cut filter	no	yes	yes	yes	yes
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	3,8-9,5 mm	3,8-9,5 mm	3,8-9,5 mm	3,8-9,5 mm
Prot. rating / Colour (bubble)	IP65 / tinted	IP65 / tinted	IP65 / tinted	IP65 / tinted	IP65 / tinted
Comments					

**VKCD-1321SFM/MF
92158**

**VKCD-1321SSM/MF
92159**






**VKCD-1322
92162**


**VKCD-1322-2811
92219**

**VKCD-1323/IR
92164**


System	Colour	Colour	Colour, black/white	Colour, black/white	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	540TVL	530TVL	530TVL	520TVL
Switchable IR cut filter	no	no	no	no	yes
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	3,6 mm	3,6 mm	4-9 mm	2,8-11 mm	3,8-9,5 mm
Prot. rating / Colour (bubble)	IP66 / clear	IP66 / clear	IP66 / clear	IP66 / clear	IP66 / clear
Comments					IR Illumination by 36 integral 850nm LEDs

Vandalism-proof

	VKCD-1324/IR 92169	VKCD-1325/IR 92206	VKCD-1326/IR 92221	VKCD-1327WFM/MF 92289	VKCD-1327WSM/MF 92291
					
System	day&night	day&night	day&night	Colour, black/white	Colour, black/white
Imager	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540TVL	550TVL	550TVL	540TVL	540TVL
Switchable IR cut filter	yes	yes	yes	no	no
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
Comments	IR Illumination by 35 integral 850nm LEDs	IR Illumination by 25 integral 850nm LEDs	IR Illumination by 20 integral 850nm LEDs		

	VKCD-1410 74137
	
System	day&night
Imager	1/4" CCD
Horizontal resolution	480TVL
Switchable IR cut filter	yes
Backlight compensation	BLC
Dig. noise reduction	yes
Video outputs (type)	CVBS
Focal length	3,9-85,8 mm
Prot. rating / Colour (bubble)	IP66 / clear
Comments	Inspection certificate „BGV-Kassen“

















Vandalism-proof

Robust mini-domes from eneo for use in high-risk areas





















eneo fix domes with protection against vandalism provide clear images of what is happening, even in high-risk areas. The robust complete systems are suitable for on-wall, ceiling or in-wall installation both inside and outside (protection class IPx5) and are simple and quick to install, being preset ready for connection. The stable metal housing, the shatter-proof dome and a concealed cable duct protect against manipulation or sabotage during use.

A choice of over twenty camera/lens combinations caters to your every need: Depending on the application, you can choose from a normal resolution black and white camera or a high-resolution colour camera, with varifocal lens, IR block filter for optimum day/night use or IR lighting using integrated LEDs.

Mounts

EDC-AKS1 74125	EDC-AKS1/MP 74138	EDC-CMA2 74054	EDC-CMA3 73155	EDC-CMT1 74128	EDC-PM7 74055
					
Mounting Power&Connection Box with Mounting Bracket for In/ Outdoor, 230V-24VAC/3.0A	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	EDMC-RTB 74107	EDMC/CWB-1 74155	IRCAM/CB1 92209
					
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 Roof Mount Bracket for Mini- trax Camera Series, Outdoor Installation	Mounting Wall or Pendant Mount Kit for EDMC Dome Camera Series EDMC and NTD	Mounting Ceiling Mount Kit for VKCD- 1323/IR, VKC-1322 and VKC-1324/IR
IRCAM/WB2 92168	VKCD/WMB-1 91805	VKCD/WMB-2 91883	VKCD/WMB-2SW 92047		
					
Mounting Wall Mount Kit for VKCD- 1323/IR, VKCD-1322 and VKCD-1324/IR	Mounting Wall Mount for VKD-136, VKCD-143, VKCD-144/HR	Mounting Wall Mount Bracket, Grey, for VKCD-136, VKCD-145, VKCD- 146, VKCD-1310	Mounting Wall Mount Bracket, Black, for VKCD-1320SM/VF		

Accessories

EDC-OPX/IPX-CC1 74143	EDC-IDF 74057	EDC-IDFHCB 74139	EDC-IPC-2/24V 74135	EDC-IPS-2/24V 74134	EDC-OPC-2/24V 74130
					
Cables Connection cable for EDC-xxx-2 Fastrax III, Standard Domes in In/Outdoor Housing	Housings Flush Mount Dome Housing, Smoked Bubble 4.9"	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	Housings 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	3/4" - M25X1.5 88149	EDC-COAX 74094
					
Housings Pendant Mount Outdoor Dome Housing with Sun-shield, Tinted Bubble 6.5", 24VAC	Input Devices System Keyboard with 3-axis Joystick, 12VDC/230VAC	Input Devices System Keyboard w. Joystick, 5" Monitor 12VDC/230VAC, Fastrax Protocol	Input Devices System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC/230VAC	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
EDC-CR1 74089	EDC-PBP 74095	EDMC/H12 74099	EDMC/H24 74104	FASTRAX_CONFIG 74124	VKCD-1320/DUMMY 92153
					
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	Product Addition Dummy camera (VKCD-1320 Series)
VKCD-1323/IR-KB 92165	WDDG2/H12 71664				
					
Product Addition External Remote Control Board for VKCD-1323/IR	Product Addition Low Voltage Heater Kit 12V/8W for WDDG-2 housing				

IR-corrected lenses

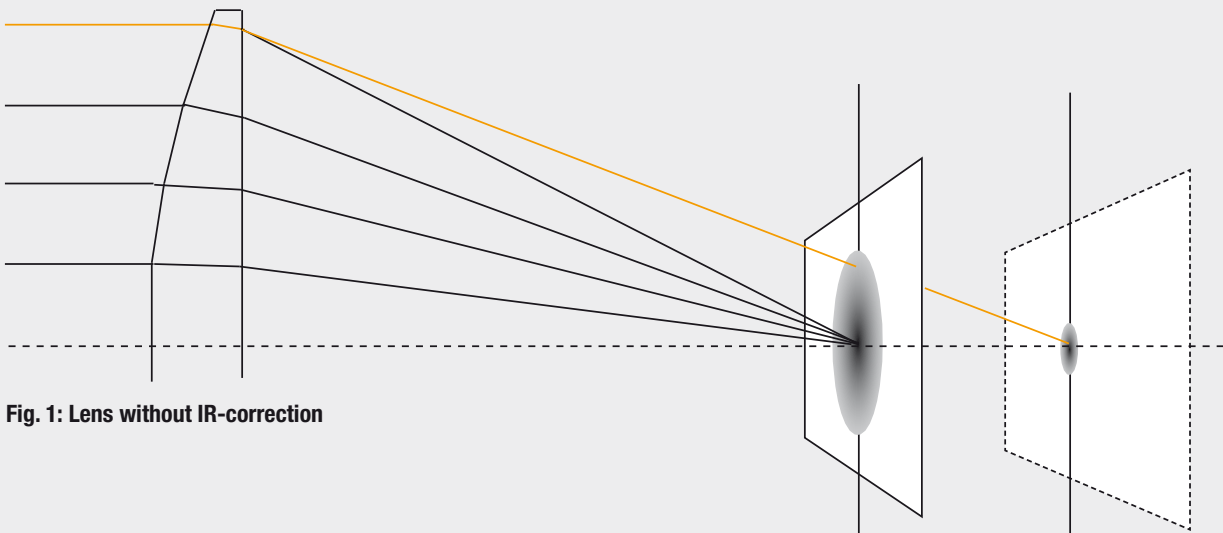


Fig. 1: Lens without IR-correction

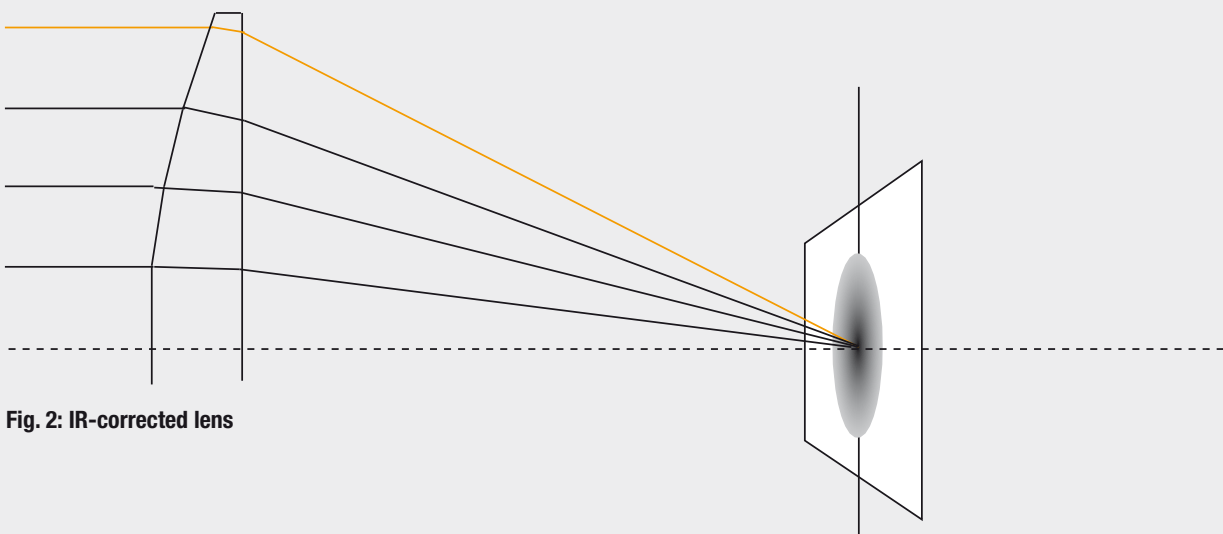





Fig. 2: IR-corrected lens


Important for day/night applications: IR-corrected lenses



Standard lenses are normally optimised for the visible wavelength range of approximately 450 to 700nm. When lenses are used in day-light as well as with infrared illumination the focal point changes in the different lighting (Fig. 1).

Day/Night lenses counter this problem as they have a special coating that compensates for the focus shift to a great extent (Fig. 2).

Day/Night

	G04Z03M-NFS 43252	F0312M-NFS 47156	F0212M-NFS 47162	F0812M-NFS 47159	F03Z04NDDC-NFS 43237
					
Lens type	varifocal	fixed focal length	fixed focal length	fixed focal length	varifocal
Horizontal angle of view	83,7-30,1 °	93,2 °	118,6 °	34,5 °	97,4-26,2 °
Aperture range (F)	F1,2~F16 (C)	F1,2~C	F1,2~C	F1,2~C	F1,4 ~ F260
Iris control	manual	manual	manual	manual	DC
Focal length	4,5-12,5 mm	2,8 mm	5,5 mm	8 mm	2,8-11 mm
Mount	CS	CS	CS	CS	CS
MOD	0,3m	0,2m	0,1m	0,2m	0,3m
Filter screw size	not available	not available	not available	not available	not available

	F03Z2.710DC-NFS 43238	A04Z12NDDC-NFS 43248	G04Z03NDDC-NFS 43251	F07Z07NDDC-NFS 43249	A09Z10NDDC-NFS 43266
					
Lens type	varifocal	varifocal	varifocal	varifocal	varifocal
Horizontal angle of view	90,8-36,2 °	93,7-31,2 °	83,7-30,1 °	36,6-5,64 °	41,1-4,2 °
Aperture range (F)	F1,0~F240	F1,4~F250	F1,2 ~ F260	F1,3~F240	F1,8~F360
Iris control	DC	DC	DC	DC	DC
Focal length	3-8 mm	4-12 mm	4,5-12,5 mm	7,5-50 mm	9-90 mm
Mount	CS	C	CS	CS	C
MOD	0,2m	0,3m	0,3m	0,4m	0,3m
Filter screw size	not available	not available	not available	not available	M43x0.75mm

	A10Z04NDDC-NFS 43239	F0212NDDC-NFS 47161	F0312NDDC-NFS 47147	F0412NDDC-NFS 47148	F0812NDDC-NFS 47154
					
Lens type	varifocal	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Horizontal angle of view	37,5-9,2 °	118,6 °	93,2 °	65,6 °	34,5 °
Aperture range (F)	F1,4~F250	F1,2~F280	F1,2~F360	F1,2~F360	F1,2~F280
Iris control	DC	DC	DC	DC	DC
Focal length	10-40 mm	2,2 mm	2,8 mm	4 mm	8 mm
Mount	C	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






Megapixels






	B18Z06MA1 47144	F02Z02M-MP 43258	F03Z2.710M-MP 43261	F05Z10M-MP 43263	B45Z03MV-MP 42012
					
Lens type	zoom	varifocal	varifocal	varifocal	varifocal
Horizontal angle of view	34-6 °	111,3-47,1 °	92,5-35,4 °	53,8-5,5 °	11,8-2,78 °
Aperture range (F)	F2,5~C	F1,2~C	F1,0~C	F1,4~C	F4,5~C
Iris control	manual	manual	manual	manual	manual
Focal length	18-108 mm	2,4-6 mm	3-8 mm	5-50 mm	45-160 mm
Mount	C	CS	CS	CS	C
MOD	0,1m	0,3m	1,0m	1m	0,0899m
Filter screw size	M52x0.75mm	not available	not available	not available	M34x0.5mm






	C0814MV-MP 42039	B1614MV-MP 42003	B2514MV-MP 42005	B5028MV-MP 42008	F02Z02NDDC-MP 43259
					
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length	varifocal
Horizontal angle of view	79,7 °	30 °	19,6 °	9,6 °	111,3-47,1 °
Aperture range (F)	F1,4~F16	F1,4 ~ F16	F1,4~F16	F2,8 ~ F22	F1,2~F360
Iris control	manual	manual	manual	manual	DC
Focal length	8 mm	16 mm	25 mm	50 mm	2,4-6 mm
Mount	C	C	C	C	CS
MOD	0,1m	0,26m	0,2m	0,2m	0,3m
Filter screw size	M55x0.75mm	M25.5x0.5mm	M27x0.5mm	M27x0.5mm	not available

	F03Z2.710NDDCMP 43262	A04Z02NDDC-MP 43254	F05Z10NDDC-MP 43264
			
Lens type	varifocal	varifocal	varifocal
Horizontal angle of view	92,5-35,4 °	90,4-47 °	53,8-5,5 °
Aperture range (F)	F1,0~F250	F1,4~F260	F1,4~F260
Iris control	DC	DC	DC
Focal length	3-8 mm	4-8 mm	5-50 mm
Mount	CS	C	CS
MOD	1m	0,5m	1m
Filter screw size	not available	not available	not available






Standard






	E08Z10MA 42091	B12Z06MG-1K 40860	F02Z02M 43198	F03Z02M 43128	F03Z04M 43212
					
Lens type	zoom	zoom	varifocal	varifocal	varifocal
Horizontal angle of view	31,3-3,2 °	38,7-6,6 °	144,2-79,4 °	88,7-44,2 °	97,4-24,1 °
Aperture range (F)	F2,5~C	F1,6~C	F1,6~C	F1,2~C	F1,4~C
Iris control	manual	manual	manual	manual	manual
Focal length	8,5-90 mm	12,5-75 mm	1,8-3,6 mm	2,8-6 mm	2,8-12 mm
Mount	C	C	CS	CS	CS
MOD	0,15m	0,03m	0,2m	0,3m	0,3m
Filter screw size	M48x0,75mm	M49x0,75mm	not available	not available	not available






	F03Z2.710M 43219	G04Z02M 43131	F05Z10M 43195	F05Z08M 43158	F05Z15M 43166
					
Lens type	varifocal	varifocal	varifocal	varifocal	varifocal
Horizontal angle of view	91-36 °	94,8-37,8 °	53,6-5,6 °	53,6-6,5 °	50,7-3,1 °
Aperture range (F)	F1,0~C	F1,8~C	F1,4~C	F1,6~C	F1,8~C
Iris control	manual	manual	manual	manual	manual
Focal length	3-8 mm	4-10 mm	5-50 mm	5-40 mm	5,5-82,5 mm
Mount	CS	CS	CS	CS	CS
MOD	0,2m	0,3m	1,0m	0,1m	0,2m
Filter screw size	not available	not available	not available	M40.5x0.5mm	M46x0.75mm

	A0314M1 43071	F0412M-NFS 47157	A0414M1 43069	A0614M1 43068	F0612M-NFS 47158
					
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Horizontal angle of view	103,6 °	65,6 °	79 °	57,3 °	46,5 °
Aperture range (F)	F1,4~C	F1,2~C	F1,4~C	F1,4~C	F1,2~C
Iris control	manual	manual	manual	manual	manual
Focal length	3,5 mm	4 mm	4,5 mm	6 mm	6 mm
Mount	C	CS	C	C	CS
MOD	0,2m	0,2m	0,2m	0,2m	0,2m
Filter screw size	M30.5x0.5mm	not available	M30.5x0.5mm	M30.5x0.5mm	not available

Standard

	B0813M6 43011	A1214M1 43067	B1614M4 43095	C2514M 43015	C5018M 43029
					
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Horizontal angle of view	58,8 °	30 °	30,3 °	27 °	14,8 °
Aperture range (F)	F1,3~C	F1,4~C	F1,4~C	F1,4~C	F1,8~C
Iris control	manual	manual	manual	manual	manual
Focal length	8 mm	12 mm	16 mm	25 mm	50 mm
Mount	C	C	C	C	C
MOD	0,2m	0,3m	0,5m	0,5m	1,0m
Filter screw size	M34x0.5mm	M30.5x0.5mm	M30.5x0.5mm	M43x0.75mm	M40.5x0.5mm

	F05Z30NDDCP0 40232	F06Z10NDDCP0 40239	A08Z08NDDCP0 47423	A08Z15NDDCP0 40226	A08Z06NDDCP0 40229
					
Lens type	Zoom with potentiometers	Zoom with potentiometers	Zoom with potentiometers	Zoom with potentiometers	Zoom with potentiometers
Horizontal angle of view	47,6-1,7 °	44,2-4,6 °	44-5,8 °	43,6-3 °	40,8-7,1 °
Aperture range (F)	F1,8~F360	F1,6~F360	F1,6 ~ F250	F1,8~F360	F1,2~F360
Iris control	DC	DC	DC	DC	DC
Focal length	5,5-165 mm	6-60 mm	8-64 mm	8-120 mm	8,5-51 mm
Mount	CS	CS	C	C	C
MOD	1,8m	1,2m	1,0m	1,2m	1,0m
Filter screw size	M72x0.75mm	M55x0.75mm	M49x0.75mm	M55x0.75mm	M46x0.75mm

	F05Z30NDDC 40231	F06Z10NDDC-1 41114	F06Z08NDDC 47419	A08Z08NDDC 47422	A08Z15NDDC 40225
					
Lens type	zoom	zoom	zoom	zoom	zoom
Horizontal angle of view	47,6-1,7 °	43,4-4,5 °	44,3-5,8 °	44-5,8 °	43,6-3 °
Aperture range (F)	F1,8~F360	F1,4~F190	F1,2~F250	F1,6~F250	F1,8~F360
Iris control	DC	DC	DC	DC	DC
Focal length	5,5-165 mm	6-60 mm	6-48 mm	8-64 mm	8-120 mm
Mount	CS	CS	CS	C	C
MOD	1,8m	1,3m	1,0m	1,0m	1,2m
Filter screw size	M72x0.75mm	M52x0.75mm	M49x0.75mm	M49x0.75mm	M55x0.75mm





Standard

	A08Z06NDDC 40228	F02Z02NDDC 43199	F03Z02NDDC 43129	F03Z04NDDC 43213	F03Z2.710NDDC 43222
					
Lens type	zoom	varifocal	varifocal	varifocal	varifocal
Horizontal angle of view	40,8-7,1 °	144,2-79,4 °	88,7-44,2 °	97,4-24,1 °	91-36 °
Aperture range (F)	F1,2~F360	F1,6 ~ F360	F1,2~F64	F1,4~F270	F1,0~F360
Iris control	DC	DC	DC	DC	DC
Focal length	8,5-51 mm	1,8-3,6 mm	2,8-6 mm	2,8-12 mm	3-8 mm
Mount	C	CS	CS	CS	CS
MOD	1,0m	0,2m	0,3m	0,3m	0,2m
Filter screw size	M46x0.75mm	M30.5x0.5mm	not available	not available	not available

	F04Z0310NDDC 43214	G04Z02NDDC 43133	F05Z08NDDC 43159	F05Z1013NDDC 43242	F05Z10NDDC 43196
					
Lens type	varifocal	varifocal	varifocal	varifocal	varifocal
Horizontal angle of view	81,6-27,2 °	94,8-37,8 °	53,6-6,5 °	53,8-4,2 °	53,6-5,6 °
Aperture range (F)	F1,0~F260	F1,8~F125	F1,6~F125	F1,3/F1,9~F160	F1,4 ~ F260
Iris control	DC	DC	DC	DC	DC
Focal length	3,5-10,5 mm	4-10 mm	5-40 mm	5-50 mm	5-50 mm
Mount	CS	CS	CS	CS	CS
MOD	0,3m	0,3m	0,1m	0,3m	1,0m
Filter screw size	not available	not available	M40.5x0.5mm	not available	not available

	F05Z20NDDC 43224	F20Z05NDDC 43247	F0612NDDC-NFS 47149	G1214NDDC 47128	A10Z30NDAIPO 40236
					
Lens type	varifocal	varifocal	fixed focal length	fixed focal length	Zoom with potentiometers
Horizontal angle of view	52,7-2,8 °	14-2,8 °	46,5 °	30,4 °	35,5-1,25 °
Aperture range (F)	F1,6 ~ F250	F1,6~F270	F1,2~F260	F1,4~F125	F1,5~F560
Iris control	DC	DC	DC	DC	auto iris
Focal length	5-100 mm	20-100 mm	6 mm	12 mm	10-300 mm
Mount	CS	CS	CS	CS	C
MOD	0,3m	1,0m	0,2m	0,3m	2,2m
Filter screw size	M46x0.75mm	not available	not available	not available	M100x1mm

Standard

	A10Z30NDAI 40235	F04Z02NDAI 43164	F05Z10NDAI 43197	A0424SNDAL 43356
				
Lens type	zoom	varifocal	varifocal	fixed focal length
Horizontal angle of view	35,5-1,25 °	77,6-35,4 °	53,4-5,3 °	80,2 °
Aperture range (F)	F1,5~F560	F1,4~F130	F1,4~F64	F2,4~F360
Iris control	auto iris	auto iris	auto iris	auto iris
Focal length	10-300 mm	3,5-8 mm	5-50 mm	3,8 mm
Mount	C	CS	CS	C
MOD	2,2m	0,4m	1,0m	1,0m
Filter screw size	M100x1mm	not available	not available	not available

Accessories

2X-EX/C 41231	2X-EX/CS 41232	C/CS RING-AL 43106	EXT-TUB 42160	GFG/50 88154
				
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

Candid Series

VHU-165/12V
79466

VHU-165/24V
79549

VHU-260/12V
79467

VHU-260/230V
79493

VHU-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
Sunshield	yes	yes	yes	yes	yes
Hidden cable management	yes	yes	yes	yes	yes
Usable Length	165mm	165mm	260mm	260mm	260mm

VHU/DP-165
79481

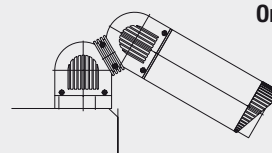
VHU/DP-260
79482


Colour	RAL9016	RAL9016
Housing material	Aluminium	Aluminium
Protection rating	IP54	IP54
Clear Shield	no	no
Integrated wall mount	yes	yes
Window heater	no	no
Sunshield	no	no
Hidden cable management	yes	yes
Usable Length	165mm	260mm

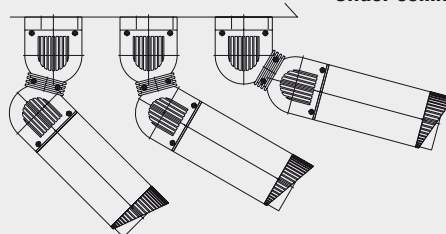
Candid: Flexible mounting

Candid weatherproof housings come with an integral wall bracket and hidden cable management that allows flexible mounting.

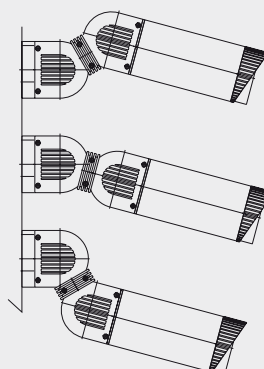
On external walls








Under ceilings







On internal walls



VHM Medium Series

	VHM/DP-ECL210 79583	VHM/ECLKA 79404	VHM/ECLKA-210 79543	VHM/ECLKA-KIT1 79642	VHM/ECLKB 79428
					
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	no	yes, 110~265VAC/9watts (PTC)	yes, 110~265VAC/9watts (PTC)	yes, 110~265VAC/9watts (PTC)	yes, 12~30V/9watts (PTC)
Sunshield	no	yes	yes	yes	yes
Hidden cable management	no	no	no	yes	no
Usable Length	210mm	330mm	210mm	330mm	330mm
Comments				With wall bracket and plug-in shield	

	VHM/ECLKB-210 79555	VHM/ECLKB-KIT1 79643	VHM/STLA 79405	VHM/STLB 79429
				
Colour	RAL7032	RAL7032	RAL7032	RAL7032
Housing material	Aluminium	Aluminium	Aluminium	Aluminium
Protection rating	IP66	IP66	IP66	IP66
Clear Shield	yes	yes	yes	yes
Integrated wall mount	no	no	no	no
Window heater	yes, 12~30V/9watts (PTC)	yes, 12~30V/9watts (PTC)	yes, 110~265VAC/9watts (PTC)	yes, 12~30V/9watts (PTC)
Sunshield	yes	yes	yes	yes
Hidden cable management	no	yes	yes	no
Usable Length	210mm	330 mm	330mm	330mm
Comments		With wall bracket and plug-in shield		

VHM System Series

**VHM/ZLA
79607**

**VHM/ZLB
79608**

**VHM/ZLKCB
79619**


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

VHM housings with central plugs

Our successful VHM Weatherproof Housings are now also available in a model with a central plug and internal precabling. The 330mm VHM/ZLKCB is set up to make installation of 24VAC cameras with a zoom lens as simple as possible, and it has a screen heater. 24V operation over a pan/tilt head from the VPT-501/VPT-601 series is also preconfigured.

A pan/tilt head connection cable is available as an option. As with all VHM series housing, the viewing screen of this model is also coated with "Clear Shield" technology that prevents corrosion and increases the screen recycling cycles. It is also UV-resistant, colour-neutral and fully light transmissive (100% light transmission) for viewable light.






ESH Stainless Steel Series



**ESH-10
79628**

**ESH-20
79625**






Colour	metal look, matt etched	metal look, matt etched
Housing material	Stainless steel	Stainless steel
Protection rating	IP68	IP68
Clear Shield	no	no
Integrated wall mount	no	no
Window heater	optional	no
Sunshield	no	no
Hidden cable management	no	no
Usable Length	342mm	320mm

EHL/VTL Economy Series

	EHL-W/ECLKA 79653	EHL-W/ECLKB 79654	VTL-D/N2 79485	VTL-DPW 79489	VTL-W/N2 79484
					
Colour	RAL9002	RAL9002	silver grey	RAL9002	silver 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	no	no	no	no
Window heater	yes, 100~240V/40W (PTC)	yes, 12~24V/20watts (PTC)	optional	optional	yes, 100~240V/40W (PTC)
Sunshield	yes	yes	no	no	yes
Hidden cable management	no	no	no	no	no
Usable Length	252mm	252mm	300mm	300mm	300mm
Comments			Ceiling Mount Bracket Included	Wall bracket included	Wall bracket not included

	VTL-WWA 79488	VTL-WWD 79644
		
Colour	RAL9002	RAL9002
Housing material	Aluminium	Aluminium
Protection rating	IP66	IP66
Clear Shield	no	no
Integrated wall mount	yes	yes
Window heater	yes, 100~240V/40W (PTC)	yes, 12~24V/20watts (PTC)
Sunshield	yes	yes
Hidden cable management	yes	yes
Usable Length	300mm	300mm
Comments	Wall bracket included	Wall bracket included

EMG/WDDG Board Camera Series

	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

Mounts

CMA-11
73137


Mounting

Corner Mount Adapter for
Wall Brackets WD-2N1 and
VDW-1/WM, RAL7032

CMA-2
79613


Mounting

Corner Mount Adapter for
Wall Brackets WD-5, WD-7,
VTL-WW, VHK-WW, RAL9002

DH-5
73094


Mounting

Ceiling Bracket with adjust-
table Housing Mount Angle,
RAL7032

DNK
79350


Mounting

Swivel Head, black

ESH/CB
79656


Mounting

Ceiling Mount Bracket with
Swivel Head for ESH Housing
Series, AISI 316

ESH/PM
79655


Mounting

Pole Mount Kit for ESH/WB,
AISI 316, ESH Housing Series

ESH/WB
79629


Mounting

Wall Mount with Swivel Head
for ESH Housing Series,
AISI 316

GK-2/N1
73136


Mounting

Swivel Head for WD-2N1,
MK-1N1 and MK-21
RAL7032

MK-5
73953


Mounting

Pole Mount Bracket &
Swivel Head for Weatherproof
Housings, RAL7032

PM-41
73146


Mounting

Pole Mount Adapter for
Housing Series Candid,
RAL7035

PM-51
73138


Mounting

Pole Mount Kit for VDW-1,
WD-15/16 Serie RAL7032

PM-6D
79593


Mounting

Pole Mount Adapter for 2 Wall
Mounts, (50-140mm Pole),
RAL9002

PM-6S
79592


Mounting

Pole Mount Adapter for 1 Wall
Mount, (50-140mm Pole),
RAL9002

WD-14/MKL
73082


Mounting

Wall Mount with Swivel Head
for Weatherproof Housings,
RAL7032

WD-15/MK
73013


Mounting

Wall Mount with Swivel Head
for Weatherproof Housings,
black

WD-16/MK
73064


Mounting

Wall Mount with Swivel
Head for VHM Weatherproof
Housings, RAL7032

WD-2N/MK1
73151


Mounting

Wall Bracket with Swivel
Head, RAL 7032

WD-5/MK
79750


Mounting

Wall Mount with Swivel Head
for weatherproof Housing,
black

WD-7/MK
79790


Mounting

Wall Mount with Swivel
Head for VTL Series Outdoor
Housings, black

WD-7/MK RAL7032
79792


Mounting






















Wall Mount with Swivel
Head for Outdoor Housings,
RAL7032

SU-6
79604


Product Addition

Camera Height Adjustment
Kit for VHK and EHL Housings
(3 Diff. Slides and Screws)

Accessories

MCAB-1 87404	VHM/ZB-VPT-055 79672	VHU-AKS/12-24V 79499	ESH/NE12VDC 79635	ESH/NE24VAC 79636	EHL-BLS/230V 79664
					
Cables Camera/PT Head Connecting Cable f. Video Power, RS-Control or Network, 1 Metre	Cables Connection Cable 0.55m, VHM/ZLB to VPT-501, VPT-601	Cables Connecting Cable Set 12VDC/24VAC/Video for Candid Housing	Power Supplies Power Supply Unit 230V0/12VDC (400mA) for ESH Housing Series	Power Supplies Power Supply Unit 230V/24VAC (400mA) for ESH Housing Series	Product Addition Blower Kit 230V/50Hz with Thermostat for EHL-W/ECLKA Housing, 230VAC
ESH-20/AB 79666	ESH/AIR FILTER 79632	ESH/HT100-240 79634	ESH/HT12-24 79633	ESH/SH 79631	PTB-1 72501
					
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	Product Addition Protocol Translator Board, 12VDC for Build-in VHM/ST Housing Series
VHM/H220 71301	VHM/H24 71601	VHM/H24WID 71602	VHM/KV1 79609	VHM/KV2 79627	VHM/KVS2 79612
					
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	Product Addition Cable Connection Board w. Thermostat and Fuse for VHM Housing, „EC“ Series
VHM/PC-1 79623	VHM/TH2 79281	VHM/Z KIT 79615			
					
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			

VPT-40 Series Fixed Speed

**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			With heater		

**VPT-40/24VHZ
73223**



Autopan	no
Pattern	no
Rotation range	359°
Colour (housing)	Eloxal C0
Housing material	Aluminium, Plastic
Heater	yes
Positioned freely	no
Illuminator mountable	optional
Serial interfaces	voltage
Load capacity	20kg
Protection rating	IP66
Supply voltage	24VAC
Comments	With heater

VPT-500/600 Series Variable Speed

	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°	360°	360°	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 heater		With heater	With camera enclosure

VPT Series: worldwide successful

The new eneo pan/tilt head ties in with the successful product tradition of the VPT-42 series: so far, more than 50,000 systems are in use around the world, reliably carrying out their work even in adverse weather conditions.

Now the developers have again improved the system, that is announced for 2007: the P/T head changes position three times as fast as the VPT-42 and, depending on the version, scores with its concealed cabling, continuous rotation and flexibility. The P/T head can be optionally operated using existing housing types or as a complete system with an integrated VHM housing.

360° continuous rotation and concealed cabling

Externally, the former shape has been retained to a large extent – in the top version (VPT-600 series), the base and concealed cabling have been seamlessly integrated into the elegant VPT design concept. The horizontal speed of rotation is now 100°/sec.; in the tilt range the speed has been increased to 50°/sec. At the same time, the power transmission ratio has been optimized and the torque thus improved.

Economy version with compact format

As continuous rotation is demonstrably not required for every application, an additional economical 359° variant without continuous rotation and concealed cabling will also come onto the market (VPT-500 series). Its compact format and corresponding cost savings are significant benefits. Both versions have a maximum of 64 programmable fixed positions (presets) with a high degree of accuracy and are available with an RS-485 interface as well as different control protocols.

Features:

- Load capacity 12 kg
- Variable speeds in the range 0-100°/sec
- RS-485/RS-422 interface, 6 control protocols as standard
- Saving of up to 64 positions
- Absolute positioning with PTZ feedback signals
- Autopan function as standard
- Maintenance free operation, protection rating IP66
- Supply voltage: 24VAC or 230VAC (model-dependent)
- Accessories: mounting brackets, power supply units, controllers, etc.
- Separate versions available with integrated heater

Mounts

MK-1N1
73134



Mounting

Pole Bracket for Pan/Tilt
Heads RAL7032

MK-21
73139



Mounting

Pole Column Spacer for Pan/
Tilt Heads, 200mm Height,
RAL7032

MK-22
73156



Mounting

Pole Column Spacer for Pan/
Tilt Heads 360°, 200mm
Height, RAL7032

PM-7
73153



Mounting

Pole Mount Adapter for
WD-29 (80-150mm Pole),
RAL7032

VPT/IRB-4L
77488



Mounting

L-Bracket for VPT-40,
RAL7032

VPT/IRB-4T
77489



Mounting

T-Bracket for VPT-40,
RAL7032

WD-2N1
73099



Mounting

Wall Bracket for Pan/Tilt
Heads VPT-40, RAL7032

WD-32
73157



Mounting

Wall Bracket for Pan/Tilt
Heads VPT-40/501/601/651
Series, RAL7032

Accessories

PTZF/G-EC
75354



Product Addition

Control Unit for Pan/Tilt Head
and Lens, 24VAC with Power
Supply, RAL7032

VPT-40/230VHZ-K
73229



Product Addition

Heating Kit for VPT-
40/230VAC

VPT-40/24VHZ-K
73228



Product Addition

Heating Kit for VPT-40/24VAC






VPT-42RS/SS
73497





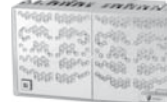




Product Addition

Control Software Vtrans
for VPT-42RS Win98, 2000
and XP

Infrared

	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	15watts	5W	25watts	36watts	36watts
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
Comments					For external control

	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	36watts	80watts	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
Comments					With clear cover




	IR LED300-B-20 71726	IR LED300-A-06 71723
		
Twilight switch	yes	yes
Scene coverage	180m	250m
Power consumption	72watts	80watts
Power supply unit	integrated	integrated
Spectral emission	880nm	850nm
Angle of light source h	20°	6°
Protection rating	IP66	IP66
Comments		

New generation of eneo IR illuminators

The new models come with over 22% more light-emitting diodes plus a power supply unit which is designed for high service life as well as optimum efficiency. The power supply unit has integral PFC (power factor correction) to ensure outstanding heat balance. The high efficiency (over 97%) combined with power supply unit PFC delivers lower power consumption for the LED300 Series than its predecessors, even though more light-emitting diodes are used. The front window is polished on the inside as well as the outside for a considerably improved transmission behaviour. The sensor controlled twilight switch with a front viewing direction is fitted with an infrared cut filter that ensures the illuminator does not switch off due to reflected infrared light. This rules out any faulty switching.


Almost the same features are provided by the LED150 Series, which is basically more compact in size, with less power consumption and a lower price.

White Light

	W LED300K-140 71746	W LED300K-25 71743	W LED300K-06 71741
			
Twilight switch	no	no	no
Scene coverage	100m	175m	250m
Power consumption	120watts	120watts	120watts
Power supply unit	integrated	integrated	integrated
Spectral emission			
Angle of light source h	140°	25°	6°
Protection rating	IP66	IP66	IP66
Comments	With wall bracket	With wall bracket	With wall bracket

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

Mounts

IR LED-WBSET 71725	PM-80 71722	NE-109N 73827	DS-3 73433
			
Mounting	Mounting	Power Supplies	Product Addition
Wall Mount Set: Mounting Bracket and Wall Mount Bracket	Pole Mount Adapter IR LED- WBSET (80-180mm Pole)	Power Supply 110-240VAC/12VDC for one LED-Infrared Illuminator 15W, Regulated	Twilight Switch with ON/OFF Delay adjustable Switching Points, 230VAC

Twisted Pair

**VZS-4/M1
70564**


Operation mode	Active
Type of unit	Transmitter
Range	850m
Signal transmission	Video
Weatherproof	no
Model	Module

**VZS-4/M2
70567**


Operation mode	Active
Type of unit	Transmitter
Range	1000m
Signal transmission	Video
Weatherproof	no
Model	Module

**VZS-5
70517**


Operation mode	Active
Type of unit	Transmitter
Range	850m
Signal transmission	Video
Weatherproof	yes
Model	Housing

**VZS-6
70599**


Operation mode	Active
Type of unit	Transmitter
Range	2000m
Signal transmission	Video
Weatherproof	no
Model	Mini module

**VZT-21A/RJ45
75801**


Operation mode	Passive
Type of unit	Transmitter / Receiver
Range	400m
Signal transmission	Video
Weatherproof	no
Model	Mini module

**VZT-21B/TB
75802**


Operation mode	Passive
Type of unit	Transmitter / Receiver
Range	400m
Signal transmission	Video
Weatherproof	no
Model	Mini module

**VZT-21C/RJ45
75803**


Operation mode	Passive
Type of unit	Transmitter / Receiver
Range	50m
Signal transmission	Video, Voltage
Weatherproof	no
Model	Mini module

**VZE-4/M2
70568**


Operation mode	Active
Type of unit	Receiver
Range	
Signal transmission	Video
Weatherproof	no
Model	Module

**VZE-5
70519**


Operation mode	Active
Type of unit	Receiver
Range	
Signal transmission	Video
Weatherproof	yes
Model	Housing

**VZZ-4/M2
70569**


Operation mode	Active
Type of unit	Amplifier
Range	1000m
Signal transmission	Video
Weatherproof	no
Model	Module

**VZZ-5
70518**


Operation mode	Active
Type of unit	Amplifier
Range	850m
Signal transmission	Video
Weatherproof	yes
Model	Housing

Accessories

VZE-4/M-CB1
70579


19" Rack Mounting

19" Connector Board for two
VZE-4 Modules
VZS-4/M-CB1
70584


19" Rack Mounting

19" Connector Board for two
VZS-4 Modules
VZSY-4/19"
70587


19" Rack Mounting

19" Card Cage Housing for
34 Twisted Pair Cards with
built-in Power Supply
VZSY-4/19"-B1
70594


19" Rack Mounting

Blank Panel Plate 1TE

VZSY-4/19"-B10
70597


19" Rack Mounting

Blank Panel Plate 10TE

VZSY-4/19"-B2
70595


19" Rack Mounting

Blank Panel Plate 2TE

VZSY-4/19"-B5
70596


19" Rack Mounting

Blank Panel Plate 5TE

VZZ-4/M-CB1
70583


19" Rack Mounting

19" Connector Board for two
VZZ-4 Carts
VZSY-4/M-FR
70586


Mounting

Rack Mount Front Panel for
Twisted Pair Modules VZSY-4

Matrix Switchers

EKR-16/4
75208



EKR-32/8
75206



EKR-8/4
75202



Camera control	Serial	Serial	Serial
Video inputs (amount)	16	32	8
Video outputs (amount)	4	8	4
Video inputs loop-through	no	no	no
Alarm inputs	Up to 16 (NO/NC)	Up to 32	Up to 16 (NO/NC)
Alarm outputs	Relay output, 50VAC/0.3A resistive	8x Relay contact, 50VAC/0.3A resistive	Relay output, 50VAC/0.3A resistive
Control Interface	RS-485 (Protocols: Videor, Pelco D, Videotec)	RS-485 (Protocols: Videor, Pelco D, Videotec)	RS-485 (Protocols: Videor, Pelco D, Videotec)
Keyboard	4x keyboards max. via RS-485 interface	8x keyboards max. via RS-485 interface	4x keyboards max. via RS-485 interface
Menu languages	English, German, Italian, French	English, German, Italian, French	English, German, Italian, French

Quads

VBO-6045
72613



VCQ-6057
72614



Description	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

Distributors/Amplifiers

AVU-8/2AL-2
76406



AVU-8/2EC
76405



VDA-4A
75101



VDA-8CA
75102



Description	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 to 2.0Vp-p, (C)VBS, 75ohms, BNC	Up to 4x 1.0 to 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	Up to 4x 1.0 to 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

Motion Detectors

EDM-40
72651



Description	4-Channel Digital Video Motion Detector, PC-programmable, 230VAC
Alarm outputs	6x Relaiskontakte (Schließer), RS-232, RS-422/485 Schnittstellen
Alarm inputs	4x Öffner/Schließerkontakte (über 6-pol. System-Eingang)
Alarm display	LED/Feld- und Alarmtexteinblendung
Alarm parameters	Auslöse-Empfindlichkeit in 10 Stufen einstellbar Ringspeicher mit bis zu 2,5 sek. Speichertiefe Einstellung von Autoreset- und Totzeit für jede Sensorfläche Minimale und maximale Angabe der Anzahl ausgelöster Felder pro Sensorfläche
Programming	Firmware- und Setup-Programmierung über 10/100 Base-TX Ethernet Port oder RS-232 Schnittstelle

EDM-40 – the Efficient Standalone Motion Detector for 4 Cameras



The EDM-40 is a digital motion detector for simultaneous monitoring of up to four camera signals. The bundled software supports simple configuration of four sensor areas each with 6480 sensor cells per camera. The EDM-40 is connected to the PC using the crossover cable included in the accessories. The Ethernet port also serves as the interface for remote maintenance.

A maximum of eight scans per second are made for all sensor fields. The configurable direction detection ensures minimisation of false alarms through logical combinations. Trigger sensitivity can be set in 10 levels,






it is also possible to set the auto-reset and detection delay time for each sensor area as well as the minimum and maximum number of triggered cells per sensor area. Up to 24 characters can be displayed as required per channel.





An integral clock with week and hour timer, day/night program modes (4 time programs configurable), the week timer for up to 96 switching programs per day as well as integrated password protection round off the features perfectly.

Accessories

VDA/AVU-RMK1 76407	VDA/AVU-RMK2 76408	VQ6057/6045RMK1 72556	VQ6057/6045RMK2 72557	VT-6000/7000RMK 72286	EKR-8/16-4KB 75205
					
19" Rack Mounting 19" Rack Mount Kit for 1xVDA-8CA and AVU-8/2AL-2	19" Rack Mounting 19" Rack Mount Kit for 2xVDA-8CA and AVU-8/2AL-2	19" Rack Mounting 19" Rack Mount Kit for 1x ENEO Quad Splitter VCQ- 6057 and VBQ-6045	19" Rack Mounting 19" Rack Mount Kit for 2x ENEO Quad Splitters VCQ- 6057 and VBQ-6045	19" Rack Mounting 19" Rack Mount Kit for all ENEO Quad Splitters and 4-channel Multiplexer	Input Devices Universal Keyboard for Matrix Switchers EKR-8/4, EKR- 16/4, Pantone Coolgray 1C
EKR-KB1 75207	EGLC-3 72612	EKR-EB 75203	EKR-PTZFI-CB 75211	EKR-PTZFI-R1 75209	EKR-PTZFI-R2 75212
					
Input Devices Universal Keyboard for Matrix Switchers EKR Series, Pantone Coolgray 1C	Product Addition Ground-loop corrector BNC/ BNC	Product Addition Expansion kit to 16 Inputs/4 Outputs for EKR-8/4	Product Addition Coax Telemetry Board for EKR-PTZFI-R1 Receiver	Product Addition RS-232/RS-485 Telemetry Preset Receiver 230VAC, for P/T Heads 24V/230VAC	Product Addition RS-232/RS-485/Coax Tele- metry Receiver for 230VAC Input and P/T Heads
LINE DRIVER 71003	PDU-1 72441	VAM-2 72686	VBQ6044/VCQ6056 72284	VKE-1N-1 76941	
					
Product Addition Gender Adapter RS232C/ RS485 + DB9/DB25	Product Addition Protocol distributor 1/8 in Desktop Housing, Unidirec- tional, 2VDC/230VAC	Product Addition Video/Audio HF-Modulator, AV Signal Converting into UHF, 12VDC/230VAC	Product Addition Cable Remote Control VBQ-6044/VCQ-6056 Quads, 10m Cable	Product Addition Video Cable Equalizer 1 Input, 230VAC	

BCR Series

	BCR-3004/320DV 72663	BCR-3004/820DV 72886	BCR-3004/1.1TDV 72887	BCR-3008/320DV 72803	BCR-3008/820DV 72888
					
Channels Video / Audio	4 / -	4 / -	4 / -	8 / -	8 / -
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	100B./Sek.	100B./Sek.	100B./Sek.	200B./Sek.	200B./Sek.
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	320GB / 2000GB	820GB / 2000GB	1070GB / 2000GB	320GB / 2000GB	820GB / 2000GB
Compression standard	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software	Remote Software	Remote Software	Remote Software	Remote Software
Storage interfaces	USB	USB	USB	USB	USB

	BCR-3008/1.32DV 72889	BCR-3016/320DV 72804	BCR-3016/820DV 72891	BCR-3016/1.32DV 72892
				
Channels Video / Audio	8 / -	16 / -	16 / -	16 / -
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	200B./Sek.	200B./Sek.	200B./Sek.	200B./Sek.
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	1320GB / 2000GB	320GB / 2000GB	820GB / 2000GB	1320GB / 2000GB
Compression standard	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP
Main exits	CVBS, VGA	CVBS, VGA	CVBS, VGA	CVBS, VGA
Remote access	Remote Software	Remote Software	Remote Software	Remote Software
Storage interfaces	USB	USB	USB	USB

Comparison of the eneo BCR and BTR Series

Innovative design, enhanced user interface, pentaplex operation plus numerous other features – eneo offers the successor to the BTR models with its BCR Series.

You can find a comparison of the new generation against the old one on our website www.eneo-security.com

Versions with four, eight or 16 loop-through video inputs continue to be offered, so that a model matched ideally to small as well as large applications can be selected. Playback of video imagery can be displayed in 4, 6, 8, 9, 13 or 16 channel split; furthermore the image can be frozen

in live mode, and items and objects can be enlarged with the 2x zoom. The BCR series features a VGA output for PC monitor connection, a spot monitor output as well as RS-232 and RS-485 interfaces plus of course an Ethernet port. The integral motion detector can reliably detect movement by using the programmable grid.

Both series also have the price in common.

The purchase price for a BTR-3116, for instance, is only slightly different from that of a BCR-3016.

DIR Series / DLR-1.1 Series

**DIR-4108/250V
72795**



**DIR-4108/750V
72829**



**DIR-4108/1.0TV
72831**



**DIR-4116/250V
72802**



**DIR-4116/750V
72832**



Channels Video / Audio	8 / -	8 / -	8 / -	16 / -	16 / -
Resolution max.	672 x 544	672 x 544	672 x 544	672 x 544	672 x 544
Max. recording rate	100B./Sek.	100B./Sek.	100B./Sek.	100B./Sek.	100B./Sek.
Operation mode	Quadplex	Quadplex	Quadplex	Quadplex	Quadplex
Integrated writer	no	no	no	no	no
HHD (integral) / (max.)	250GB / 2000GB	750GB / 2000GB	1000GB / 2000GB	250GB / 2000GB	750GB / 2000GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	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

**DIR-4116/1.0TV
72833**



**DLR1.1-04/250V
72687**



Channels Video / Audio	16 / -	4 / -
Resolution max.	672 x 544	672 x 544
Max. recording rate	100B./Sek.	100B./Sek.
Operation mode	Quadplex	Duplex
Integrated writer	no	no
HHD (integral) / (max.)	1000GB / 2000GB	250GB / 750GB
Compression standard	MPEG4	MPEG4
Main exits	CVBS, VGA	CVBS, VGA
Remote access	Remote Software, Browser	Remote Software, Browser
Storage interfaces	USB	USB

DLR-3 Series

**DLR3-04/250
72694**



**DLR3-04/500
72777**



**DLR3-04/750
72778**



**DLR3-04/1000
72779**



**DLR3-08/250SDV
72809**



Channels Video / Audio	4 / 4	4 / 4	4 / 4	4 / 4	8 / -
Resolution max.	672 x 544	672 x 544	672 x 544	672 x 544	672 x 272
Max. recording rate	100lps	100lps	100lps	100lps	100lps
Operation mode	Triplex	Triplex	Triplex	Triplex	Triplex
Integrated writer	CD	CD	CD	CD	DVD
HHD (integral) / (max.)	250GB / 1500GB	500GB / 1500GB	750GB / 1500GB	1000GB / 1500GB	250GB / 2250GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	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

**DLR3-08/750SDV
72868**



**DLR3-08/1.0TSDV
72867**



**DLR3-16/250SDV
72814**



**DLR3-16/750SDV
72866**

















**DLR3-16/1.0TSDV
72863**



Channels Video / Audio	8 / -	8 / -	16 / -	16 / -	16 / -
Resolution max.	672 x 272	672 x 272	672 x 272	672 x 272	672 x 272
Max. recording rate	100lps	100lps	100lps	100lps	100lps
Operation mode	Triplex	Triplex	Triplex	Triplex	Triplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	750GB / 2250GB	1000GB / 2250GB	250GB / 2250GB	750GB / 2250GB	1000GB / 2250GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	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

DTR Series

	DTR-6108/250D 72684	DTR-6108/500D 72698	DTR-6108/750D 72699	DTR-4216/250D 72683	DTR-6116/250D 72685
					
Channels Video / Audio	8 / 4	8 / 4	8 / 4	16 / 4	16 / 4
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	200B./Sek.	200B./Sek.	200B./Sek.	200B./Sek.	400B./Sek.
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	250GB / 3000GB	500GB / 3000GB	750GB / 3000GB	250GB / 3000GB	250GB / 3000GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	MPEG4
Main exits	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, Y/C, VGA	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, SCSI	USB, SCSI	USB, SCSI	USB, SCSI	USB, SCSI
	DTR-4216/500D 72691	DTR-6116/500D 72733	DTR-4216/750D 72697	DTR-6116/750D 72734	DTR-4216/1.0T D 72749
					
Channels Video / Audio	16 / 4	16 / 4	16 / 4	16 / 4	16 / 4
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	704 x 576
Max. recording rate	200B./Sek.	400B./Sek.	200B./Sek.	400B./Sek.	200B./Sek.
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	500GB / 3000GB	500GB / 3000GB	750GB / 3000GB	750GB / 3000GB	1000GB / 3000GB
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	MPEG4
Main exits	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, Y/C, VGA	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, SCSI	USB, SCSI	USB, SCSI	USB, SCSI	USB, SCSI
	DTR-6116/1.0TD 72746	DTR-4216/1.75TD 72751	DTR-6116/1.75TD 72748	DTR-6116/3.0TD 72879	
					
Channels Video / Audio	16 / 4	16 / 4	16 / 4	16 / 4	
Resolution max.	704 x 576	704 x 576	704 x 576	704 x 576	
Max. recording rate	400B./Sek.	200B./Sek.	400B./Sek.	400B./Sek.	
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex	
Integrated writer	DVD	DVD	DVD	DVD	
HHD (integral) / (max.)	1000GB / 3000GB	1750GB / 3000GB	1750GB / 3000GB	3000GB / 3000GB	
Compression standard	MPEG4	MPEG4	MPEG4	MPEG4	
Main exits	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, Y/C, VGA	
Remote access	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	Remote Software, Browser	
Storage interfaces	USB, SCSI	USB, SCSI	USB, SCSI	USB, SCSI	

DPR Series

DPR-2016/500D
71955



Channels Video / Audio	16 / 16
Resolution max.	704 x 576
Max. recording rate	400B./Sek.
Operation mode	Pentaplex
Integrated writer	DVD
HHD (integral) / (max.)	500GB / 4000GB
Compression standard	MPEG4
Main exits	CVBS, Y/C, VGA
Remote access	Remote Software, Browser
Storage interfaces	SCSI, USB

DCR Series

DCR-16N/250DVD
71954



DCR-16N/250DVDD
71577



DCR-32N/250DVD
71918

















DCR-32N/250DVDD
71578



Channels Video / Audio	16 / 1	16 / 1	32 / 1	32 / 1
Resolution max.	704 x 480	704 x 480	704 x 480	704 x 480
Max. recording rate	200B./Sek.	200B./Sek.	400B./Sek.	400B./Sek.
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Integrated writer	DVD	DVD	DVD	DVD
HHD (integral) / (max.)	250GB / 3000GB	250GB / 3000GB	250GB / 3000GB	250GB / 3000GB
Compression standard	ML-JPEG, MPEG4	ML-JPEG, MPEG4	ML-JPEG, MPEG4	ML-JPEG, MPEG4
Main exits	CVBS, Y/C, VGA, DVI-D	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
Storage interfaces	USB	USB	USB	USB

Accessories

DLR-201/RMK-1 72547	DVR-MOUSE 71902	EDC-KBD1 74088	EDC-KBDM-3 74092	KBD-2 74149	HDD-250SATA-H 72819
					
19" Rack Mounting 19" Rack Mount Kit for 1x DSR-01N/-04N	Input Devices USB Mouse for Recorder Series DTR, DPR and DLR3	Input Devices System Keyboard with 3-axis Joystick, 12VDC/230VAC	Input Devices System Keyboard w. Joystick, 5" Monitor 12VDC/230VAC, Fastrax Protocol	Input Devices System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC/230VAC	Product Addition Hard Disk Drive 250GB, SATA for DTR-42xx, DTR-61xx, DLR1.1, DLR3-08/16 (SATA)
HDD-250SATA-H 72665	HDD-500SATA-SA 72885	HDD-500SATA-H 72666	HDD-750SATA-S 72875	HDD-500SATA-H 72821	HDD-750SATA-H 72747
					
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 EMD-19/ DVR-S1 and BCR Series	Product Addition Hard Disk Drive 500GB, SATA for DLR1.1, DLR3 (SATA), DIR, DPR and BTR Series	Product Addition Hard Disk Drive 750GB, SATA f. DLR3, DIR DTR-42xx/DTR- 61xx, DPR, EMD, BCR Series	Product Addition Hard Disk Drive 500GB, SATA for DTR-42xx, DTR-61xx, DLR1.1, DLR3-08/16 (SATA)	Product Addition Hard Disk Drive 750GB, SATA for DLR1.1, DLR3 (SATA), DTR-42xx, DTR-61xx
RAS MOBILE 72745	RAS+ 71922				
					
Product Addition PDA Remote Monitoring Soft- ware for DLR, DCR, DTR and DPR Digital Video Recorders	Product Addition Remote Administration Inter- face Software for DLR and DTR Digital Video Recorders				

EMD Series & Accessories

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
Response time typical	5 ms
Max. recording rate	400B./Sek.
Compression standard	H.264
Operation mode	Quadplex
HHD (integral) / (max.)	320GB / 750GB
Storage interfaces	USB
Integrated writer	no
Remote access	Remote Software, Browser
Control units (external)	Remote Control, Mouse
Supply voltage	12VDC

HDD-500SATA-SA
72885



Product Addition
Hard Disk Drive 500GB, SATA
for EMD-19/ DVR-S1 and
BCR Series

HDD-750SATA-S
72875



Product Addition
Hard Disk Drive 750GB, SATA
f. DLR3, DIR DTR-42xx/DTR-
61xx, DPR, EMD, BCR Series

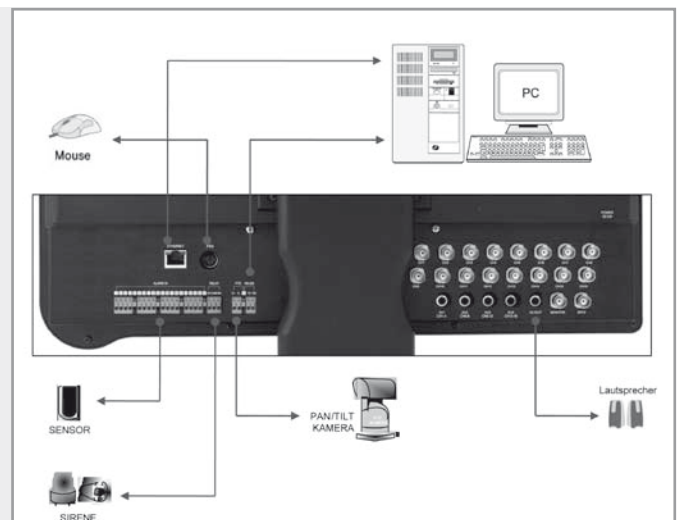
All-in-one: the eneo EMD Combo System

The new eneo EMD-19/DVR-S1 Surveillance System is ideal for applications with limited space. The system combines a 19" TFT LCD monitor in 16:9 format and a digital recorder with a 320GB hard disk.

This means it comes at the same size as a TFT monitor without a DVR. Up to 16 video sources can be connected via the integrated multiplexer. Each channel has its own separately adjustable motion detector.





The system uses H.264 standard-compliant compression for video data, which guarantees high-quality pictures. Maximum recording rates of 400 fps (at 352x288 pixels) also allow real-time recording.






And the recorder quadplex function permits simultaneous viewing of live pictures, recording and replay as well as network transmission of pictures (over the RJ-45 interface). 16MB RAM is available for prealarm recording. Images can be exported for external preservation of evidence via the USB 2.0 ports and the bundled software tool.






Nearly every CCTV camera can simply be hooked up at the standard BNC inputs. The fact that you will find a wide choice with eneo goes without saying.

VMC TFT/LCD Series

	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"	5.6"	6.4"	6.4"	8.4"
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/m ²	250cd/m ²	330cd/m ²	330cd/m ²	350cd/m ²
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/VBS	CVBS/VBS	CVBS/VBS	CVBS/VBS	CVBS/VBS, VGA
Housing material / Colour	Plastic / anthracite	Plastic / anthracite	Aluminium / silver grey	Plastic / anthracite	Metal / black
Comments		incl. accumulator, charger and carrying case			

	VMC-8.4LCD-CP 90437	VMC-10.4LCD-CM 90489	VMC-10.4LCD-CP 90438	VMC-15LCD-CM 90492	VMC-15LCD-CP 90484
					
Screen size	8.4"	10.4"	10.4"	15"	15"
Resolution pixels	800 x 600	800 x 600	800 x 600	1024 x 768	1024 x 768
Audio inputs	1	-	1	-	1
Viewing angle l/r/u/d	50° / 50° / 45° / 45°	55° / 55° / 40° / 40°	55° / 55° / 40° / 40°	75° / 75° / 60° / 75°	75° / 75° / 60° / 75°
Brightness typical	350cd/m ²	220cd/m ²	220cd/m ²	250cd/m ²	250cd/m ²
Contrast ratio typical	250:1	400:1	400:1	700:1	700:1
Response time typical	100ms	40ms	45ms	16ms	16ms
Video inputs (type)	CVBS/VBS, Y/C	CVBS/VBS, VGA	CVBS/VBS, Y/C, VGA	CVBS, DVI-D, RGB	CVBS, Y/C, VGA
Housing material / Colour	Plastic / silver grey	Metal / black	Plastic / silver grey	Metal / silver grey	Plastic / silver grey
Comments					

	VMC-15LCD-HMC1 90545	VMC-17LCD-CM 90493	VMC-17LCD-HMC1 90546	VMC-17LCD-HPC1 90525	VMC-19LCD-CM 90494
					
Screen size	15"	17"	17"	17"	19"
Resolution pixels	1024 x 768	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Audio inputs	2	-	2	-	-
Viewing angle l/r/u/d	65° / 65° / 50° / 50°	75° / 75° / 60° / 75°	80° / 80° / 80° / 80°	80° / 80° / 80° / 80°	85° / 85° / 85° / 85°
Brightness typical	250cd/m ²	300cd/m ²	300cd/m ²	300cd/m ²	250cd/m ²
Contrast ratio typical	450:1	500:1	1000:1	1000:1	600:1
Response time typical	16ms	8ms	5ms	5ms	20ms
Video inputs (type)	CVBS, Y/C, VGA	CVBS, DVI-D, VGA	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, DVI-D, VGA
Housing material / Colour	Aluminium / anthracite	Metal / silver grey	Aluminium / anthracite	Plastic / Pantone 877C	Metal / silver grey
Comments					

VMC TFT/LCD Series

**VMC-19LCD-HMC1
90547**



**VMC-19LCD-HPC1
90526**



**VMC-19LCD-P
90430**



Screen size	19"	19"	19"
Resolution pixels	1280 x 1024	1280 x 1024	1280 x 1024
Audio inputs	2	-	2
Viewing angle l/r/u/d	80° / 80° / 80° / 80°	80° / 80° / 80° / 80°	89° / 89° / 89° / 89°
Brightness typical	300cd/m ²	300cd/m ²	250cd/m ²
Contrast ratio typical	1000:1	1000:1	1000:1
Response time typical	5ms	7ms	20ms
Video inputs (type)	CVBS, Y/C, VGA	CVBS, Y/C, VGA	CVBS, Y/C, VGA
Housing material / Colour	Aluminium / anthracite	Plastic / Pantone 877C	Aluminium / black

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

VMC Multifunction TFT/LCD Series

**VMC-26LCD-PW1
90552**



**VMC-32LCD-PW
90467**



Screen size	26"	32"
Resolution pixels	1366 x 768	1366 x 768
Audio inputs	2	2
Viewing angle l/r/u/d	88° / 88° / 88° / 88°	88° / 88° / 88° / 88°
Brightness typical	450cd/m ²	500cd/m ²
Contrast ratio typical	2500:1	500:1
Response time typical	6.5ms	18ms
Video inputs (type)	CVBS, Y/C, RGB, Component Video	CVBS, Y/C, VGA, Component Video
Housing material / Colour	Metal / silver grey	Metal / silver grey

Monitor and multiplexer at the same time

Professional monitors in the VMC-LCD-PW series have a 16:9 image display with a resolution of 1366x768 pixels. All three sizes offer a VGA input as well as analogue inputs (4 x CVBS, Y/C). All monitors feature three analogue outputs for main and spot monitors as well as recording.

Extremely practical: All monitors in this series are equipped with a built-in 4-channel real-time multiplexer. The multilanguage screen menu can be used to configure the full-screen view options in 16:9 and 4:3 formats and multi-screen with a digital zoom 2x function. It is therefore possible to combine four analogue images arranged side-by-side with a PC image. Up to 60 pictures can be archived internally with the integral image memory. Of course, the VMC-LCD-PW series also features alarm inputs and outputs, audio inputs and integral loudspeakers.

VMC Public Viewing TFT/LCD Series

**VMC-26LCD-PWCL1
90548**



**VMC-32LCD-PWCP1
90549**



Screen size	26"	32"
Resolution pixels	1366 x 768	1366 x 768
Audio inputs	2	2
Viewing angle l/r/u/d	88° / 88° / 88° / 88°	88° / 88° / 88° / 88°
Brightness typical	450cd/m ²	500cd/m ²
Contrast ratio typical	2500:1	1200:1
Response time typical	6.5ms	8ms
Video inputs (type)	CVBS	CVBS, Y/C, DVI-D, VGA, Component Video
Housing material / Colour	Metal / silver grey	Metal / silver grey
Comments	Integrated 1/3" Colour Camera with 4-9mm Lens	Integrated 1/3" Colour Camera with 4-9mm Lens

Application area: Retail: Professional Public Viewing monitors from eneo with integrated camera

The monitors are designed for loss protection tasks, but they are also excellent when used for marketing. The integrated cameras with a resolution of 480 TVL and an integral (4-9mm) varifocal lens can be configured to display images on the monitor. A clear signal: Attention – video surveillance! The twilight switch is another practical feature that automatically puts the monitor to sleep when, for instance, the lighting is switched off in a building at closing time. An integral 40GB hard disk on the 32" version allows replay of presentations or video clips without also having to install a PC or video recorder. Furthermore, texts and advertising media (clips, photos, etc.) can be displayed on this model over a network.

Accessories

**LCD-15P-RMK
90396**



19" Rack Mounting

19" Kit for 15" LCD Monitor (VMC-15LCD-P and VMC-15LCD-HMC1)

**LCD-17P-RMK
90397**



19" Rack Mounting

19" Kit for 17" LCD Monitor (VMC-17LCD-P and VMC-17LCD-HMC1)

**LCD-19P-RMK
90475**



19" Rack Mounting

19" Kit for 19" LCD Monitor (VMC-19LCD-P and VMC-19LCD-HMC1)

**LCD-ST/HM
90553**



Mounting

Desktop Mount for LCD Monitor VMC-15/17/19, LCD/HMC Series

**LCD-ST/CM1
90491**



Mounting

Desktop Mount for LCD Monitor VMC-8.4 and VMC-10.4, CM Series

**LCD-ST/P
90395**



Mounting

Desktop Mount for LCD Monitor VMC-15/17/19, P Series

**VMC-LCD/8-10MP
90453**



Mounting

Adapter Plate for Wall Bracket Fixing to VMC-8.4/10.4LCD-CP Series

**VMC-LCD/WCMB-1
90394**



Mounting

Wall/Ceiling Bracket for LCD Monitors 15"/17"/19" P/CP/CM/HPC/HMC1 Series

**VMC-LCD/WMB-1
90426**



Mounting

Wall Bracket for TFT/LCD Monitors, straight

**VMC-LCD/WMB-4
90468**



Mounting

Wall Bracket for LCD Monitors up to 23", Pan and Tilttable

VMM/VMC CRT Series

**VMM-9/3
90338**



**VMM-12/3
90339**



**VMM-14/1
90439**



**VMM-17/1
90358**



**VMC-14/3
90524**



Screen size	9"	12"	14"	17"	14"
Horizontal resolution	1000	1000	1000	900	400
Colour system	black/white	black/white	black/white	black/white	colour
Audio inputs	-	-	-	-	2
Video inputs (type)	VBS	VBS	VBS	VBS	CVBS, Y/C
Supply voltage from/to	100 ~ 240VAC	100 ~ 240VAC	100 ~ 240VAC	120/230VAC	100 ~ 240VAC

**VMC-15HR/1
90441**













**VMC-21/1
90442**



Screen size	15"	21"
Horizontal resolution	650	500
Colour system	colour	colour
Audio inputs	2	2
Video inputs (type)	CVBS	CVBS, Y/C
Supply voltage from/to	100 ~ 240VAC	100 ~ 240VAC

Power Supplies

AK-2 70456	AK-3 70457	NE-112 79364	NE-112/2 79423	NE-112/AC24V 79491	NE-115 79415
					
Power Supplies Camera Connection Box for Standard and Ethernet Cameras	Power Supplies Camera Connection box, 230VAC Input 24VAC-100W, 12VDC-1A Output	Power Supplies Power Supply Unit 230VAC/12VDC (600mA) for VHM Housing, Regulated	Power Supplies Power Supply Unit 230VAC/12VDC (600mA), Regulated, 24VAC (1000mA) f. VHM Housing	Power Supplies Power Supply Unit 230VAC/24VAC (600mA) for VHM Housing	Power Supplies Power Supply Unit 230V/12VDC-400mA for Housings VTL-W/D-N2
NE-119/24V 79568	NE-128 70449	NE-129/12V 79661	NE-130/12V 79662	NE-131/12V 79663	NE-132/AC24V 70527
					
Power Supplies Power Supply Unit 230V/24VAC (400mA) for EHL-W/ECLKA Housing Series	Power Supplies Voltage supply unit 230V/24VAC-5A, IP66	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 230VAC/24VAC (1.0A)
NE-133 70537	VT-PS12DC-10 70543	VT-PS12DC-7 70495	VT-PS12DC-8 70535	VT-PS12DC-9 70536	VT-PS12DCDT1 77773
					
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	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 Plug-in Power Supply Unit 100-240VAC 12VDC (1.0Amp), Regulated, w. open Ends	Power Supplies PSU 12VDC/1.0A, Regulated, Desktop Version, 1.8m Cables each w. open ends

Plugs/Sockets/Tools

A14
83450



Plugs / Sockets / Tools
BNC Jack/Cinch Plug Adapter

A19
80270



Plugs / Sockets / Tools
BNC Jack-Plug-Jack Adapter,
T-Shaped

A21
80220



Plugs / Sockets / Tools
BNC Jack to Jack Adapter,
Straight

A25
83480



Plugs / Sockets / Tools
BNC Plug/Cinch Jack Adapter

A80
84390



Plugs / Sockets / Tools
BNC Angled Jack to Jack
Adapter

ACB-159
88165



Plugs / Sockets / Tools
100 BNC Twister Connectors
for RG59U Cable, 6.2mm

ACT-200
88163



Plugs / Sockets / Tools
BNC Plug Twister Tool with
Short-circuit Proof

AWT-101
88164



Plugs / Sockets / Tools
Wire Stripper for BNC Twister
Plugs

B-BLCM
85530



Plugs / Sockets / Tools
BNC Jack to Jack Chassis

BJ-CM
85510



Plugs / Sockets / Tools
BNC Chassis Socket

BJ-CMV
85360



Plugs / Sockets / Tools
BNC Chassis Mount Jack,
Fully Isolated

BNC REMOVER
88156



Plugs / Sockets / Tools
BNC Connector Remover
BRS-100 (2 pcs.)

EV-011A
88161



Plugs / Sockets / Tools
10 BNC Twister Connectors
for RG59U 6.2mm Diameter

EV-012
88162



Plugs / Sockets / Tools
10 Adapter BNC Plug to
Cinch Jack

EV-013
88166



Plugs / Sockets / Tools
10 Adapter BNC Jack to
Cinch Plug

EV-021A
88157



Plugs / Sockets / Tools
20 BNC Twister Connectors
for RG59U 6.2mm with BNC
Twister ACT-100

EV-032A
88158



Plugs / Sockets / Tools
2 BNC Connectors for RG59U,
BNC Twister ACT-100, Cable
Stripper AWT-101

EV-033
88159






Plugs / Sockets / Tools
10 BNC/Cinch Converter

Cables

100 86350	1000 86341	100F 86380	200 86340	500 86342	A 2002-S/M 87426
					
Cables Coaxial Video Cable w. Rigid Center Core 100m	Cables Video Cable 1000m	Cables Coaxial Video Cable with Flexibel Center Core, 100M	Cables Coaxial Video Cable w. Rigid Center Core 200m	Cables Video Cable 500m	Cables Audio Micro Cable, Flexibel, Black
BB-300 86450	BB-750 86460	BB-90 86440	MCAB-1 87404	MCAB-2/100 87406	MCAB-2/200 87407
					
Cables Video Cable BNC Plug to BNC Plug, Length 3.0m	Cables Video Cable BNC Plug to BNC Plug, Length 7.5m	Cables Video Cable BNC Plug to BNC Plug, Length 0.9m	Cables Camera/PT Head Connecting Cable f. Video Power, RS-Control or Network, 1 Metre	Cables Multicore Connecting Cable, 100m, Video& Power	Cables Multicore Connecting Cable, 200m, Video& Power
MCAB-2/50 87405	MRGB-3M 87416	MRGB/2S-5M 87418	MRGB/2S-5R 87417	S-VHSM-CM 87423	
					
Cables Multicore Connecting Cable, 50m, Video & Power	Cables RGB Coax Video Cable, 3 Wires	Cables Videokabel 5 Wires	Cables Video Cable 5 Wires, 100m	Cables S-VHS Video Cable, 2 Coax Wires, 1.0m	

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DLR3-16/250SDV.....	51	F02Z02NDDC.....	31	MK-21.....	41	VKC-1327AW3-650.....	12	VMC-19LCD-HPC1.....	57	ZELARIS_IP O-KB.....	8
DLR3-16/750SDV.....	51	F02Z02NDDC-MP.....	28	MK-22.....	41	VKC-1327AW3-922.....	12	VMC-19LCD-P.....	57	ZELARIS_IP O-PX.....	8
DLR3-16/1.0TSDV.....	51	F03Z22.110DC-NFS.....	27	MRGB/2S-5M.....	62	VKC-1327A/WDDG1.....	22	VMC-21/1.....	59	ZELARIS_IP S04.....	9
DLR-201/RMK-1.....	53	F03Z22.710M.....	29	MRGB/2S-5R.....	62	VKC-1327A/WDDG2.....	22	VMC-26LCD-PW1.....	57	ZELARIS_IP S04E.....	9
DNK.....	37	F03Z22.710M-MP.....	28	MRGB-3M.....	62	VKC-1330/IR.....	13	VMC-26LCD-PWCL1.....	58	ZELARIS_IP V04.....	9
DPR-2016/500D.....	53	F03Z22.710NDDC.....	31	NE-109N.....	43	VKC-1330IR12-24.....	13	VMC-32LCD-PW.....	57	ZELARIS_IP V04E.....	9
DS-3.....	43	F03Z22.710NDDCMP.....	28	NE-112.....	60	VKC-1331.....	16	VMC-32LCD-PWCP1.....	58	ZELARIS_IP VC.....	9
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