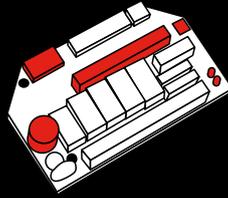


12



TELEMETRY

The telemetry receiver range includes products with minimal features up to the most complex which satisfy any installation requirement. The digital receivers allow the control of P&T and motorized zoom lenses up 1200m (3937ft) away, by a twisted pair cable. In case of using the DTRX3 receiver or the DTMRX2 along with the DTCOAX optional card, a coax cable, used for the video signal, can also be used for data transmission together with Videotec matrix.

DTRX3	183
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DCRE485	195



- Microprocessor controlled
- 17 functions
- Standard preset
- RS232, Current Loop or RS485
- Remote controllable up to 1200m (RS485)
- IP56 weatherproof protection



DTCOAX

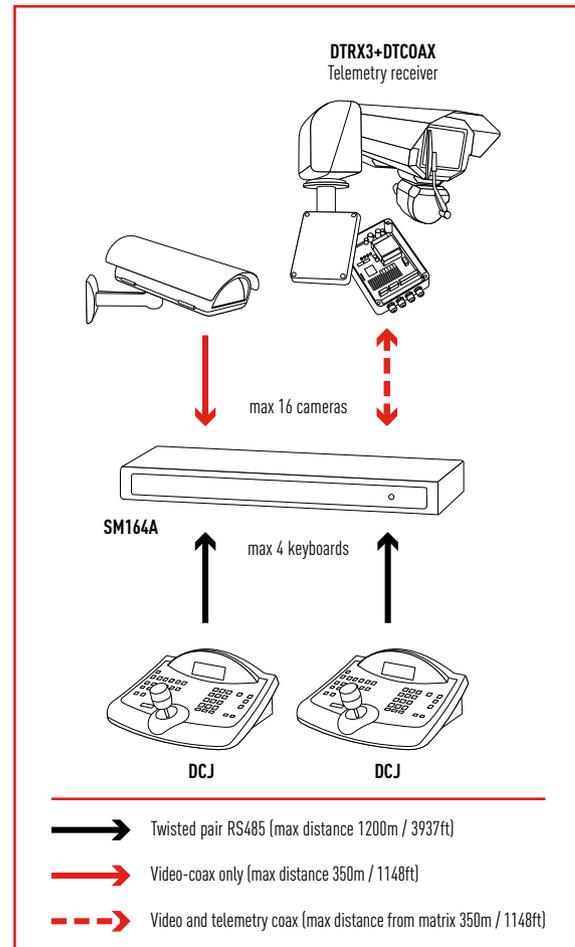
The DTRX3 is a digital receiver, controlled by a microprocessor, for remote control of a Pan & Tilt motor, motor-driven zoom lens, wiper, washer and 4 auxiliary contacts (12V DC and 24V AC camera power supply, 2 dry contacts).

Connection to the control unit can be RS232, RS485 or Current Loop. This digital receiver can be controlled by DCT, DCJ, DCTEL and DCIR keyboards or by PC via RS232 serial connection.

A IP56 weatherproof box ensures protection against all weather conditions. It is also possible to plug-in the DTCOAX optional board for data transmission on coax cable through the SM series matrix.

6 PG11 cable glands make connections easier. By means of a commutator, it is possible to select the Pan & Tilt voltage (230V AC or 24V AC) for the model DTRX3.

DTRX3



TECHNICAL DATA

GENERAL

17 Functions: UP, DOWN, LEFT, RIGHT, AUTO, WASHER, WIPER, ZOOM TELE, ZOOM WIDE, FOCUS NEAR, FOCUS FAR, IRIS OPEN, IRIS CLOSE, AUX1, AUX2, AUX3, AUX4

999 selectable address through Dip Switches

Serial input selectable: RS232 / Current Loop / RS485

Repeater RS232, RS485 or Current Loop for daisy chain configuration

Ability to use both polarity inversion lenses and common wire lenses

LED indicating power supplied to the unit

LED indicating active function

EEPROM for the storage of active options

16 bit microcontroller with re-programmable Flash memory

PRESET / SCAN / PATROL functions with an automatic recognition of the existing functions

Self-test installation procedure

Ability to memorize up to 40 PRESET functions (P&T motor, lens)

4 alarm contacts set as N.O. or N.C.

Supplied with instruction manual, 2 PG11 blanking caps, 4 wall mounts with relevant fastening screws

MECHANICAL

Plastic material enclosure

6 cable glands PG11

External dimensions: 337x237x128mm (13.2x9.3x5in)

ELECTRICAL

DTRX3

Power supply: 230V AC, 50/60Hz

Consumption: 60W

Max switching power: 100W

Power supplied to the positioning device: 24/230V AC, 50/60Hz

Power supplied to the wiper: 24/230V AC, 50/60Hz

Power supplied to the washer: 24/230V AC, 50/60Hz

Power supplied to the camera: 12V DC, max 350mA (AUX1) and 24V AC, max 180mA (AUX2)

Power supplied to the lens: from 3V DC to 12V DC (max 100mA)

2 dry contacts: 1A 230V AC, 1A 24V AC (AUX3, AUX4)

Fuses: F2: 1 AF 250V, F5: 2.5 AF 250V

DTRX324

Power supply: 24V AC, 50/60Hz

Consumption: 40W

Max switching power: 100W

Power supplied to the positioning device: 24V AC, 50/60Hz

Power supplied to the wiper: 24V AC, 50/60Hz

Power supplied to the washer: 24V AC, 50/60Hz

Power supplied to the camera: 12V DC, max 350mA (AUX1) and 24V AC, max 180mA (AUX2)

Power supplied to the lens: from 3V DC to 12V DC (max 100mA)

2 dry contacts: 1A 230V AC, 1A 24V AC, (AUX3, AUX4)

Fuses: F5: 6.3 AF 250V

PROTOCOLS

VIDEOTECH (300, 1200, 9600, 19200 baudrate)

MACRO (1200, 9600, 19200, 38400 baudrate)

PELCO D (2400, 4800, 9600, 19200 baudrate)

Pelco D is registered trademark.

DTRX3 may be interfaced with equipment not manufactured by Videotec. It is possible that the interface protocols have changed or are in a different configuration from earlier tested units. Videotec recommends a bench test prior to installation. Videotec will not be liable for any installation costs or lost revenues in the event a compatibility problem will occur.

COMMUNICATIONS

Selectable communication speed

Repeater RS232, RS485 or Current Loop for daisy chain configuration

Telemetry data input on coax cable RG59 or equivalent with DTCOAX optional board for a max distance 350m (1148ft) from Matrix Series SM

Telemetry data input RS485 on Matrix Series SM serial output for a max distance of 1200m (3937ft)

Telemetry data input RS485 on keyboards serial output for a max distance of 1200m (3937ft)

Telemetry data input RS232 for PC or keyboard control for a max distance of 15m (49ft)

Telemetry data input Current Loop on keyboards serial output for a max distance of 1500m (4921ft)

RELATED PRODUCTS

SM42A-82A	Matrix 4/8 inputs and 2 outputs
SM84A-164A	Matrix 8/16 inputs and 4 outputs
SM328A	Matrix 32 inputs and 8 outputs
DCTEL	Matrix and Telemetry Control Keyboard
DCIR	Infrared Remote Control
DCJ	Matrix Mux and Telemetry Control Keyboard with three axis joystick
DCT	Matrix, Mux, DVR and Telemetry Control Keyboard touch screen equipped with three axis joystick

DTRX3

PTH910P	Pan&Tilt with preset, 230V AC
PTH310P	Pan&Tilt with preset, 230V AC
NXPPTH210	Stainless steel Pan&Tilt, 230V AC
IPT720	Pan&Tilt wall mounting, 230V AC
IPTS720	Pan&Tilt ceiling mounting, 230V AC
IPHS720	Pan ceiling mounting, 230V AC

DTRX324

PTH911P	Pan&Tilt with preset, 24V AC
PTH311P	Pan&Tilt with preset, 24V AC
NXPPTH211	Stainless steel Pan&Tilt, 24V AC
IPT721	Pan&Tilt wall mounting, 24V AC
IPTS721	Pan&Tilt ceiling mounting, 24V AC
IPHS721	Pan ceiling mounting, 24V AC

Retrofit on discontinued products: contact Videotec for further specifications.

ENVIRONMENT

Indoor / outdoor
 Operating temperature: 0°C / +50°C (+32°F / +122°F)

COMPLIANCE TO

CE according to EN 61000-6-3, EN 60065, EN 50130-4
 IP56

	Unit Weight:	Package Weight:	Package Dimensions (BxHxL):	Master Carton:
	DTRX3 2.5kg / 5.5lb DTCOAX 0.1kg / 0.2lb	DTRX3 2.9kg / 6.4lb DTCOAX 0.1kg / 0.2lb	DTRX3 34.5x24x15.5cm / 13.6x9.5x6.1in DTCOAX 8.5x5.5x11.5cm / 3.4x2.2x4.5in	DTRX3 5 units DTCOAX -



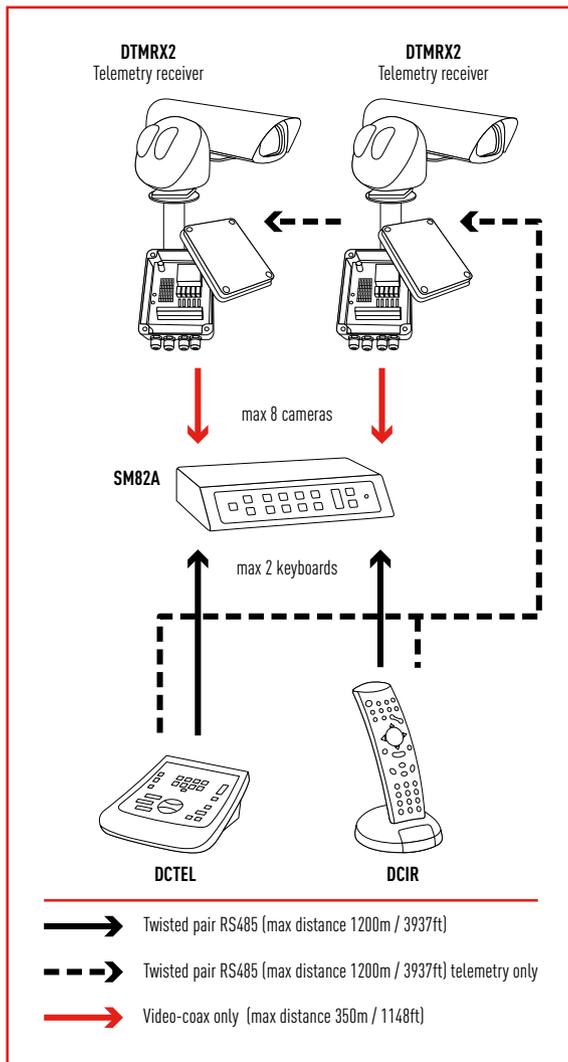
- Microprocessor controlled unit
- 12 functions
- RS232, RS485 or Over Coax communications
- Remote controllable up to 1200m (RS485)
- Weatherproof standard IP56

The DTMRX2 is a digital receiver, controlled by a microprocessor, for remote control of a Pan & Tilt motor and a motor-driven zoom lens. The DCT, DCJ, DCTEL, DCIR and SM matrix series control units ensure complete control of all the DTMRX2 functions. It is also interfaced to a PC through RS232.

Connection to the control unit can be RS232, RS485 or over Coax cable (in this case, the connection to the matrix distance can reach up to 350m). A IP56 weatherproof box ensures protection against all weather conditions.

It is available in 24V AC or 230V AC versions for Pan & Tilt motors, and allows feeding common ground or polarity inversion zoom lenses. A relay auxiliary function is available for controlling, for instance, the switching on of an IR illuminator through a power contact or the control of the wiper.

Four PG11 cable glands make connections easier.

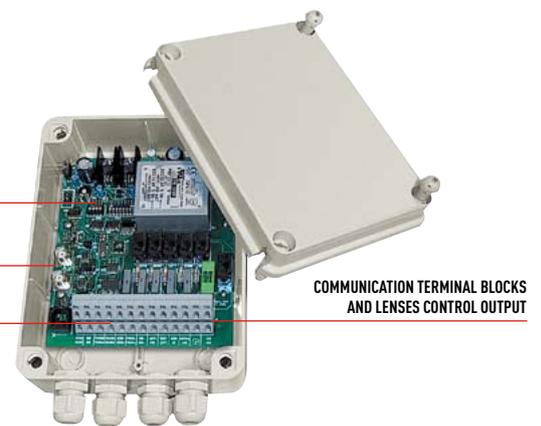


DTMRX2

DIP-SWITCH FOR ADDRESS, COMMUNICATION SPEED AND PROTOCOL

BNC FOR COAX TRANSMISSION

COMMUNICATION TERMINAL BLOCKS AND LENSES CONTROL OUTPUT



TECHNICAL DATA

GENERAL

12 Functions: UP, DOWN, LEFT, RIGHT, AUTO, ZOOM TELE, ZOOM WIDE, FOCUS NEAR, FOCUS FAR, IRIS OPEN, IRIS CLOSE, AUX

99 identification addresses, selectable by dip switch

Serial communication selectable between RS232, RS485 and Over Coax

Ability to use both polarity inversion lenses and common wire lenses

EEPROM for storing activated functions

LED indicating power supplied to the unit

LED indicating command reception

LED indicating data reception

Supplied with instruction manual, 2 PG11 blanking caps, 4 wall mounts with relevant fastening screws

MECHANICAL

Plastic material enclosure

4 PG11 cable glands

Dimensions: 225x154x81mm [8.8x6.1x3.2in]

ELECTRICAL

DTMRX2

Power supply: 230V AC, 50Hz

Power consumption: 10W

Max swichtable power: 100W

Power supplied to the positioning device: 230V AC, 50Hz

Power supplied to the lens: from 3 to 14V DC, max 100mA

AUX: auxiliary dry contact 1A 230V AC

Protection fuses: F1: F 250mA L 250V

DTMRX224

Power supply: 24V AC, 50/60Hz

Power consumption: 10W

Max swichtable power: 100W

Power supplied to the positioning device: 24V AC, 50/60Hz

Power supplied to the lens: from 3 to 14V DC, max 100mA

AUX: auxiliary dry contact 1A 24V

Protection fuses: F1: F 2.5A L 250V

PROTOCOL

VIDEOTECH (300, 1200, 9600, 19200 baudrate)

MACRO (1200, 9600, 19200, 38400 baudrate)

PELCO D (2400, 4800, 9600, 19200 baudrate)

Pelco is a registered trademark.

Because DTMRX2 may be interfaced with equipment not manufactured by Videotec, it is possible that the interface protocols have changed or are in a different configuration from earlier tested units from us. Because Videotec recommends a bench test prior to installation, Videotec will not be liable for any installation costs or lost revenues in the event a compatibility problem will occur.

COMMUNICATIONS

Repeater RS232 or RS485 for daisy chain configuration

Telemetry data input RS485 on matrix series SM serial output for a max distance of 1200m (3937ft)

Telemetry data input RS485 on keyboard serial output, max distance of 1200m (3937ft)

Telemetry data input RS232 for PC or keyboard control for a max distance of 15m (49ft)

Telemetry data input Over Coax cable RG59 or equivalent for a max distance of 350m (1148ft) from Matrix Series SM

RELATED PRODUCTS

SM42A-82A Matrix 4/8 inputs and 2 outputs

SM84A-164A Matrix 8/16 inputs and 4 outputs

SM328A Matrix 32 inputs and 8 outputs

DCTEL Matrix and Telemetry Control Keyboard

DCIR Infrared Remote Control

DCJ Matrix, Mux and Telemetry Control Keyboard with three axis joystick

DCT Matrix, Mux, DVR and Telemetry Control Keyboard touch screen equipped with three axis joystick

DTMRX2

PTH910 Pan&Tilt, 230V AC

PTH310 Pan&Tilt, 230V AC

NXPPTH210 Stainless steel Pan&Tilt, 230V AC

IPT720 Pan&Tilt wall mounting, 230V AC

IPTS720 Pan&Tilt ceiling mounting, 230V AC

IPHS720 Pan ceiling mounting, 230V AC

DTMRX224

PTH911 Pan&Tilt, 24V AC

PTH311 Pan&Tilt, 24V AC

NXPPTH211 Stainless steel Pan&Tilt, 24V AC

IPT721 Pan&Tilt wall mounting, 24V AC

IPTS721 Pan&Tilt ceiling mounting, 24V AC

IPHS721 Pan ceiling mounting, 24V AC

Retrofit on discontinued products: contact Videotec for further specifications.

ENVIRONMENT

Indoor / Outdoor

Operating temperature: -20°C / +50°C [-4°F / +113°F]

COMPLIANCE TO

CE according to EN 60065, EN 55022 Class B, EN 50130-4

FCC according to Part. 15 Class B

IP56



Unit Weight:
DTMRX2 1kg / 2.2lb

Package Weight:
DTMRX2 1.2kg / 2.6lb

Package Dimensions (BxHxL):
DTMRX2 9.5x17.5x 29cm / 3.7x6.9x11.4in

Master Carton:
DTMRX2 20 units

- Small size
- Microprocessor controlled
- RS485 communication up to 1200m

MICRODEC485 is a mini digital control receiver managed by a microprocessor for the remote control of a pan and tilt head and motor-driven lenses.

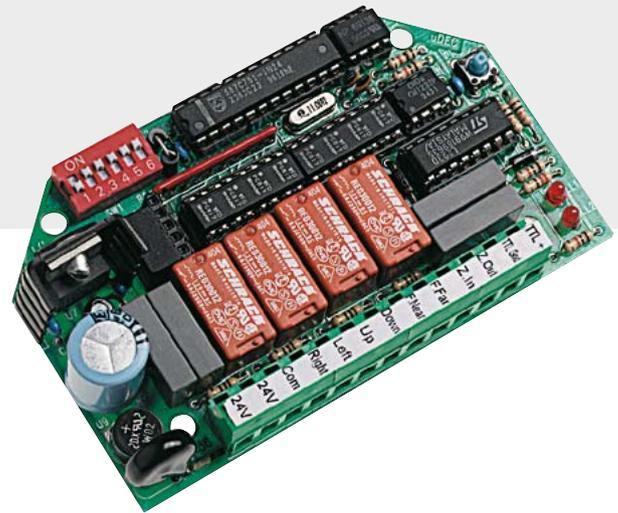
Designed to be installed inside camera housings, it ensures easier installation by reducing the number of connections and equipment (such as external boxes).

All functions are ensured by the DCT, DCJ, DCTEL and DCIR keyboards and SM matrix range.

The connection to the control unit is RS485 (connection distance up to 1200m by twisted pair cable).

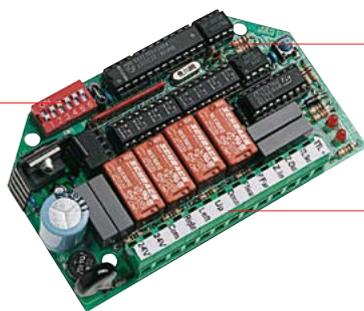
Up to 32 receivers can be addressed. The feed voltage is 24V AC.

The MICRODEC485 can control Pan and Tilt heads in 24V AC, 50/60Hz and 12V DC lenses with polarity inversion (zoom and focus); it can be installed into HEB and HEG housings.



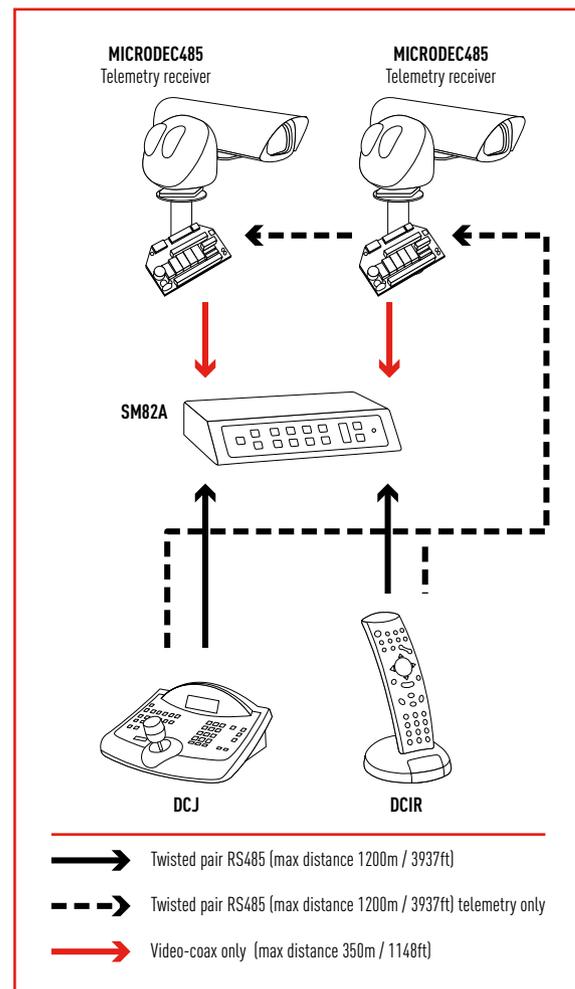
MICRODEC485

ADDRESS SELECTION
DIP-SWITCH



RESET BUTTON

TERMINAL BLOCK



MICRODEC485

TELEMETRY DATA MINI RECEIVER



TECHNICAL DATA

GENERAL

8 Functions: UP, DOWN, LEFT, RIGHT, ZOOM TELE, ZOOM WIDE, FOCUS NEAR, FOCUS FAR

32 identification addresses, selectable by dip switch

Direct installation in HEG, HEB housings

Optoisolated digital logic and power section

2 diagnostic LEDs

Supplied with instruction manual, 1 support plate, 4 spacers, 2 fixing screws

MECHANICAL

Dimensions: 100x60mm (3.9x2.3in)

ELECTRICAL

Power supply: 24V AC, 50/60Hz

Power supplied to the positioning device: 24V AC, 50/60Hz

Power supplied to the lens: 12V AC, 50mA (polarity inversion lenses)

Power consumption: 1W

PROTOCOL

VIDEOTECH (1200, 9600 Baudrate)

COMMUNICATIONS

Serial input RS485

Max Distance 1200m (3937ft) from Matrix Series SM or controller keyboard

RELATED PRODUCTS

SM42A-82A	Matrix 4/8 inputs and 2 outputs
SM84A-164A	Matrix 8/16 inputs and 4 outputs
SM328A	Matrix 32 inputs and 8 outputs
DCTEL	Matrix and Telemetry Control Keyboard
DCIR	Infrared Remote Control
DCJ	Matrix, Mux and Telemetry Control Keyboard with three axis joystick
DCT	Matrix, Mux, DVR and Telemetry Control Keyboard touch screen equipped with three axis joystick
PTH911	Pan&Tilt, 24V AC
PTH311	Pan&Tilt, 24V AC
IPT721	Pan&Tilt wall mounting, 24V AC
IPTS721	Pan&Tilt ceiling mounting, 24V AC
IPHS721	Pan ceiling mounting, 24V AC

Retrofit on discontinued products: contact Videotec for further specifications.

ENVIRONMENT

Indoor

Operating temperature: 0°C / +45°C (+32°F / +113°F)

COMPLIANCE TO

CE according to EN 61000-6-3, EN 60065, EN 50130-4



Unit Weight:
MICRODEC485 0.2kg / 0.4lb

Package Weight:
MICRODEC485 0.3kg / 0.7lb

Package Dimensions (BxHxL):
MICRODEC485 9.5x13x19.5 / 3.7x5.1x7.7in

Master Carton:
MICRODEC485 -

- Microprocessor controlled
- 13 functions
- RS232 or RS485
- Remote controllable up to 1200m (RS485)
- Preset standard
- Weatherproof standard IP56



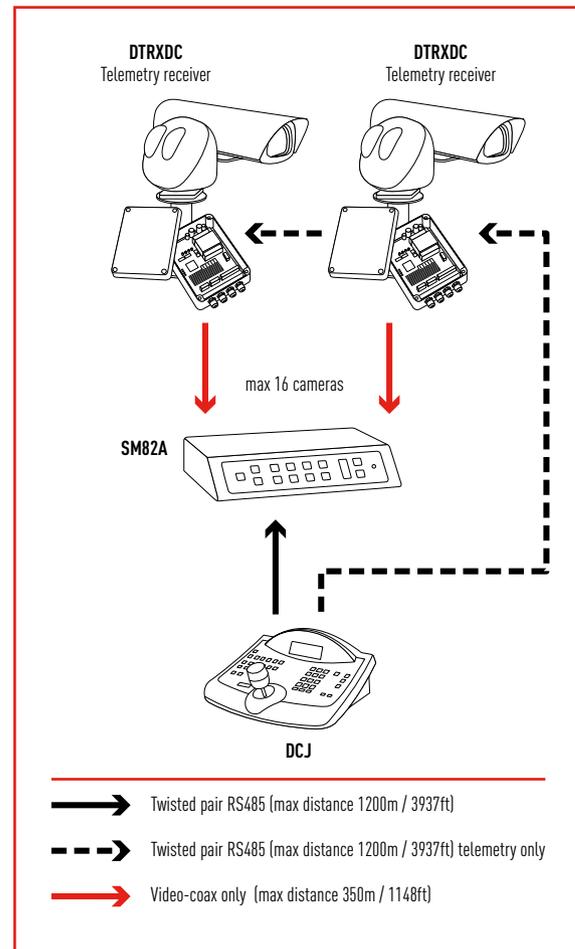
The DTRXDC is a digital receiver, controlled by a microprocessor, for remote control of variable speed Pan & Tilt motor (PTH355P) and a motor-driven zoom lens.

The connection to the control unit can be RS232 or RS485 (in this case, the connection distance can reach 1200m).

The digital receiver is controlled by DCJ or DCT keyboards and it is possible to recall up to 14 Pan & Tilt and lens preset positions with 4 local alarms.

Two auxiliary control relays are available for controlling, for instance, the switching on of an IR illuminator, through a power contact.

A IP56 weatherproof box ensures protection against all weather conditions.



TECHNICAL DATA

GENERAL

13 Functions: UP, DOWN, LEFT, RIGHT, AUTO, ZOOM TELE, ZOOM WIDE, FOCUS NEAR, FOCUS FAR, IRIS OPEN, IRIS CLOSE, AUX1, AUX2

99 selectable address through Dip Switch

Serial input selectable: RS232 or RS485

Repeater RS232 or RS485 for daisy chain configuration

Ability to use both polarity inversion lenses and common wire lenses

PRESET / SCAN / PATROL functions, 4 alarm contacts

Ability to memorize up to 14 preset functions (P&T motor, lens)

LED indicating power supplied to the unit

Optoisolated digital logic and power section

EEPROM for the storage of active options

Supplied with instruction manual, 2 PG11 blanking caps, 4 wall mounts with relevant fastening screws

MECHANICAL

Plastic material enclosure

6 cable glands PG11

External dimensions: 255x200x100mm (10x7.87x3.93in)

ELECTRICAL

Power supply: 230V AC, 50Hz

Power consumption: 40W

Power supplied to the positioning device: 24V DC

Power supplied to the lens: adjustable 6 - 16V max 80mA

Trimmer for the adjustment of the lens voltage

2 dry contacts 1A 230V AC, 1A 24V AC (AUX1, AUX2)

Fuse F1: 630mA F 250V

PROTOCOLS

VIDEOTECH (9600, 1200 Baudrate)

COMMUNICATIONS

Repeater RS485 and RS232 for daisy chain configuration

Telemetry data input RS485 on keyboards serial output for a max distance of 1200m (3937ft)

Telemetry data input RS485 on matrix SM series serial output for a max distance of 1200m (3937ft)

Telemetry data input RS232 for PC or keyboard control for a max distance of 15m (49ft)

RELATED PRODUCTS

PTH355P Pan&Tilt

SM42A-82A Matrix 4/8 inputs and 2 outputs

SM84A-164A Matrix 8/16 inputs and 4 outputs

SM328A Matrix 32 inputs and 8 outputs

DCJ Matrix, Mux and Telemetry Control Keyboard with three axis joystick

DCT Matrix, Mux, DVR and Telemetry Control Keyboard touch screen equipped with three axis joystick

Retrofit on discontinued products: contact Videotec for further specifications.

ENVIRONMENT

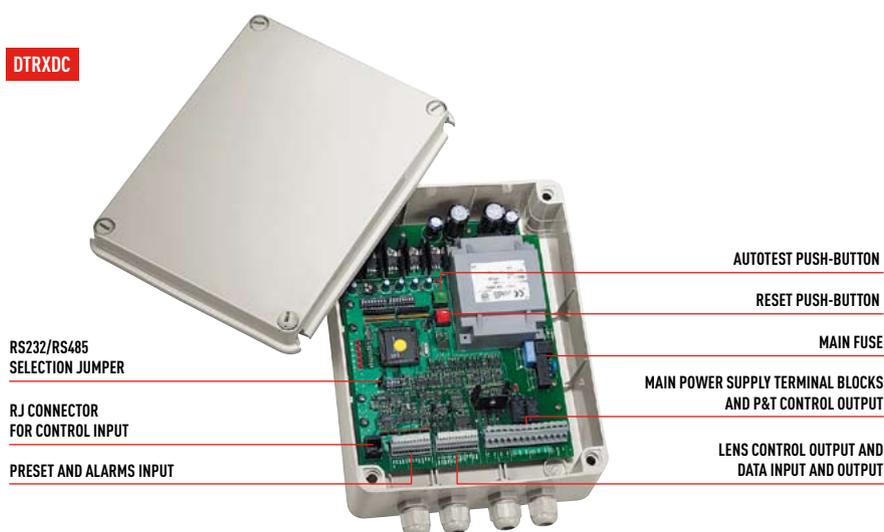
Indoor / Outdoor

Operating temperature: 0°C / +45°C (+32°F / +113°F)

COMPLIANCE TO

CE according to EN 61000-6-3, EN 60065, EN 50130-4

IP56



Unit Weight:
DTRXDC 1.7kg / 3.7lb

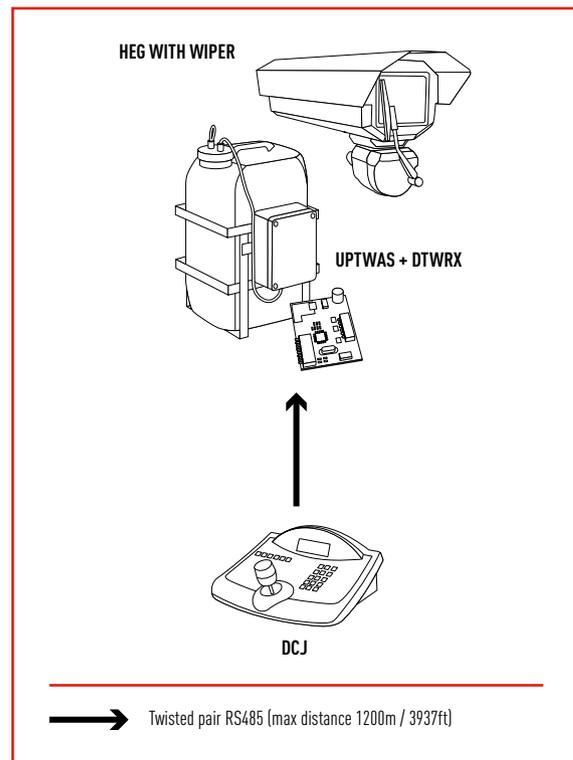
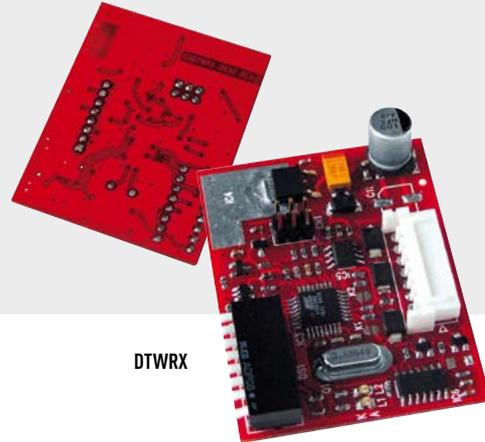
Package Weight:
DTRXDC 1.9kg / 4.2lb

Package Dimensions (BxHxL):
DTRXDC 12x21x30cm / 4.7x8.3x11.8in

Master Carton:
DTRXDC -

- Control of wiper and water pump
- RS485 communication
- Remote controllable up to 1200m (RS485) from the control keyboard
- Easy installation

The DTWRX is an optional board for remote control of wiper and water pump. It works only with UPTWAS pump series, where it can be easily installed thanks to its connector. It allows the control of wiper and sprinkle function when the housing is stand-alone, not mounted on a P&T and then without telemetry receiver.



TECHNICAL DATA

GENERAL

2 functions: WIPER, WASHER
 32 selectable address through Dip Switch
 Serial input RS485
 LED indicating stand-by status
 LED indicating command reception
 Supplied with instruction manual

MECHANICAL

External dimensions: 43x56x13mm (1.8x2.2x0.5in)

ELECTRICAL

Power consumption: 0.5W

PROTOCOLS

MACRO (9600, 2400 Baudrate)
 PELCO (9600, 2400 Baudrate)

Pelco is a registered trademark.

Because DTWRX may be interfaced with equipment not manufactured by Videotec, it is possible that the interface protocols have changed or are in a different configuration from earlier tested units from us. Because Videotec recommends a bench test prior to installation, Videotec will not be liable for any installation costs or lost revenues in the event a compatibility problem will occur.

COMMUNICATIONS

Telemetry data input RS485 on keyboards serial output for a max distance of 1200m (3937ft)

Telemetry data input RS485 on matrix SM series serial output for a max distance of 1200m (3937ft)

RELATED PRODUCTS

UPTWAS01B	Tank 25l, 230V AC washer pump
UPTWAS02B	Tank 25l, 24V AC washer pump
UPTWASA01B	Tank 25l, 230V AC washer pump, high delivery up 30m (98.4ft)
DCJ	Matrix, Mux and Telemetry Control Keyboard with three axis joystick
DCT	Matrix, Mux, DVR and Telemetry Control Keyboard touch screen equipped with three axis joystick
HEG, HOV	Standard housings equipped with wiper
NXM, NXJ, NXL	Stainless housings equipped with wiper

ENVIRONMENT

Indoor
 Operating temperature: 0°C / +45°C (+32°F / +113°F)

COMPLIANCE TO

CE according to EN 60950, EN 50130-4, EN55022 Class B
 FCC Part 15 Class B (only with UPTWAS02B)



Unit Weight:
 DTWRX 0.016kg/0.035lb

Package Weight:
 DTWRX -

Package Dimensions (BxHxL):
 DTWRX 8.5x5.5x11.5cm / 3.3x2.2x4.5ft

Master Carton:
 DTWRX -

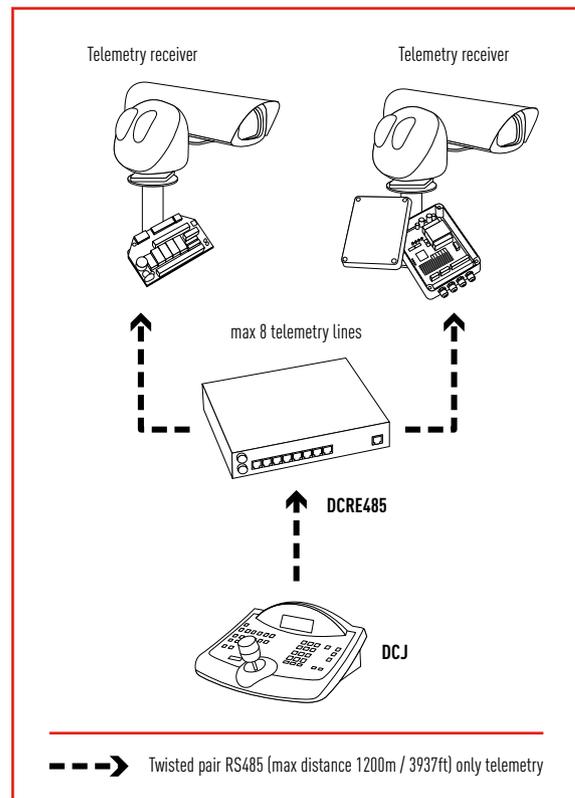
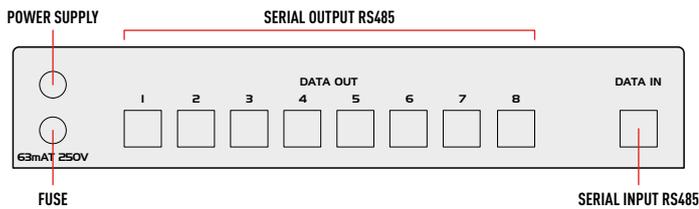
- 1 inputs - 8 data outputs
- RS485 communication



DCRE485 is a serial data distributor used to increase the lines of DTRX3, DTRXDC, DTMRX2, and MICRODEC receivers. The appliance gives serial data back on 8 outputs at the same time, allowing star configurations.

The receiving mode of the input can be selected in RS485; the transmission in RS485, takes place at the same time on all 8 outputs.

DCRE485



TECHNICAL DATA

GENERAL

1 serial input in RS485 mode
 8 RS485 serial outputs the data sending back from the input
 Ability to cascade connection to other units DCRE485
 Supplied with instruction manual, 8 phone cables 6/6 straight through-length about 150cm (59in), 8 RJ jack connections boxes

MECHANICAL

Metal enclosure
 Epoxypolyester powder painted in grey colour
 Dimensions: 222x185x40mm (7.7x7.3x1.6in)

ELECTRICAL

Power supply: 230V AC, 50Hz (refer to identification data)
 Power consumption: 10W
 Protection fuse: 63 mA T 230V

COMMUNICATIONS

Telemetry transmission on serial output RS485 for a max distance of 1200m (3397ft)

RELATED PRODUCTS

Serial input

DCTEL	Matrix and Telemetry Control Keyboard
DCIR	Infrared Remote Control
DCJ	Matrix, Mux and Telemetry Control Keyboard with three axis joystick
DCT	Matrix, Mux, DVR and Telemetry Control Keyboard touch screen equipped with three axis joystick

Control on serial output RS485

MICRODEC485	Mini telemetry receiver 8 functions, 24V AC
DTMRX224	Telemetry receiver 12 functions, 24V AC
DTMRX2	Telemetry receiver 12 functions, 230V AC
DTRX324	Telemetry receiver 17 functions, 24V AC
DTRX3	Telemetry receiver 17 functions, 230V AC
DTRXDC	Telemetry receiver 13 functions, for PTH355P
ULISSE	Positioning Unit
MISTRAL	Dome Camera

ENVIRONMENT

Indoor
 Operating temperature: 0°C / +45°C (+32°F / +113°F)

COMPLIANCE TO

CE according to EN 61000-6-3, EN 60065, EN 50130-4

	Unit Weight: DCRE485 2.4kg / 5.3lb	Package Weight: DCRE485 2.8kg / 6.1lb	Package Dimensions (BxHxL): DCRE485 7x27.5x33cm / 2.7x10.8x13in	Master Carton: DCRE485 -
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