

DTRX3

TELEMETRY RECEIVER 17 FUNCTIONS

REVISION 0945



MAIN FEATURES

Microprocessor controlled

17 functions

Standard preset

RS232, Current Loop or RS485

Remote control up to 1200m (3937ft), RS485

IP56 weatherproof protection

DESCRIPTION

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 (12Vdc and 24Vac 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. It is also possible to plug-in the DTCOAX optional board for data transmission on coax cable through the SM series matrix.

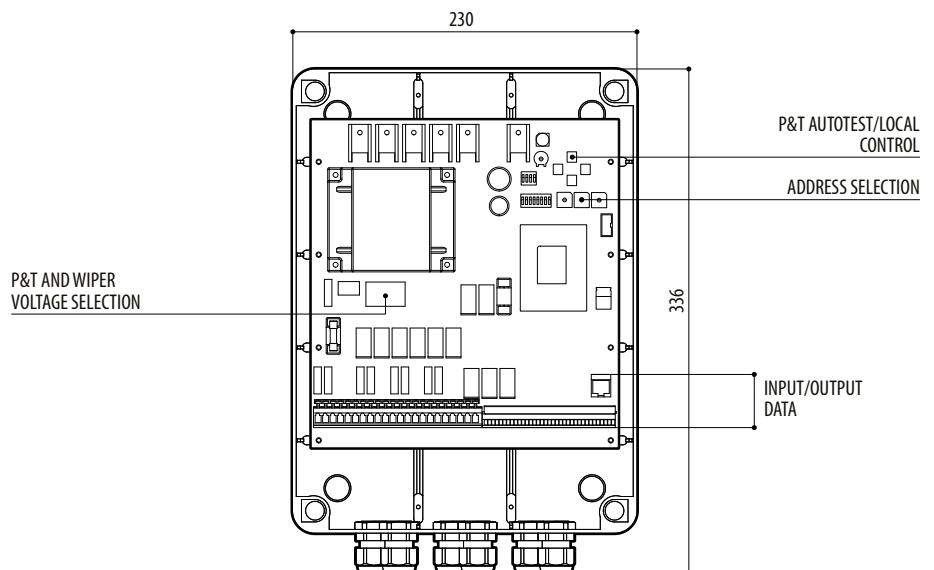
6 PG11 cable glands make connections easier. By means of a switch, it is possible to select the Pan & Tilt voltage (230Vac or 24Vac) for the model DTRX3.



DTRX3



DTCOAX



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 addresses through Dip Switches
 Serial communication 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 and 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
 6xPG11 cable glands
 External dimensions: 337x237x128mm (13.2x9.3x5in)

ELECTRICAL

DTRX3

Power supply: 230Vac, 50/60Hz
 Consumption: 60W
 Max switching power: 100W
 Power supplied to the positioning device: 24/230Vac, 50/60Hz
 Power supplied to the wiper: 24/230Vac, 50/60Hz
 Power supplied to the washer: 230Vac, 50/60Hz
 Power supplied to the camera: 12Vdc, max 350mA (AUX1) and 24Vac, max 180mA (AUX2)
 Power supplied to the lens: from 3Vdc to 12Vdc (max 100mA)
 2 dry contacts: 1A 230Vac, 1A 24Vac (AUX3, AUX4)
 Fuses: F2: 1 AF 250V, F5: 2.5 AF 250V

DTRX324

Power supply: 24Vac, 50/60Hz
 Consumption: 40W
 Max switching power: 100W
 Power supplied to the positioning device: 24Vac, 50/60Hz
 Power supplied to the wiper: 24Vac, 50/60Hz
 Power supplied to the washer: 24Vac, 50/60Hz
 Power supplied to the camera: 12Vdc, max 350mA (AUX1) and 24Vac, max 180mA (AUX2)
 Power supplied to the lens: from 3Vdc to 12Vdc (max 100mA)
 2 dry contacts: 1A 230Vac, 1A 24Vac, (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 is registered trademark. DTRX3 may be interfaced with equipment not manufactured by VIDEOTECH. It is possible that the interface protocols have changed or are in a different configuration from earlier tested units. VIDEOTECH recommends a bench test prior to installation. VIDEOTECH 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)

ENVIRONMENT

Indoor / outdoor
 Operating temperature: -20°C / +50°C (-4°F / +113°F)

CERTIFICATIONS

CE EN61000-6-3, EN60065, EN50130-4, EN55022 Class B
 IP56 EN60529

RELATED PRODUCTS

SM42B-SM82B Matrix 4/8 inputs and 2 outputs
 SM84B-SM164B Matrix 8/16 inputs and 4 outputs
 SM328B Matrix 32 inputs and 8 outputs
 DCTEL Keyboard to control matrix and telemetry
 DCIR Infrared Remote Control
 DCJ Keyboard to control matrix, multiplexers and telemetry equipped with three axis joystick
 DCT Touch screen keyboard to control matrix, multiplexers, DVRs and telemetry equipped with three axis joystick

DTRX3

PTH910P Pan&Tilt with preset, 230Vac
 PTH310P Pan&Tilt with preset, 230Vac
 NXPTH210 Stainless steel Pan&Tilt, 230Vac
 IPT720 Pan&Tilt wall mounting, 230Vac

DTRX324

PTH911P Pan&Tilt with preset, 24Vac
 PTH311P Pan&Tilt with preset, 24Vac
 NXPTH211 Stainless steel Pan&Tilt, 24Vac
 IPT721 Pan&Tilt wall mounting, 24Vac

Retrofit on discontinued products: contact VIDEOTECH for further specifications.

PACKAGE

Code	Unit weight		Package weight		Package dimensions (WxHxL)		Master carton unit
	kg	lb	kg	lb	cm	in	
DTRX3	2.5	5.5	2.9	6.4	34.5x24.0x15.5	13.6x9.5x6.1	5
DTCOAX	0.1	0.2	0.1	0.2	8.5x5.5x11.5	3.4x2.2x4.5	-