

# 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.

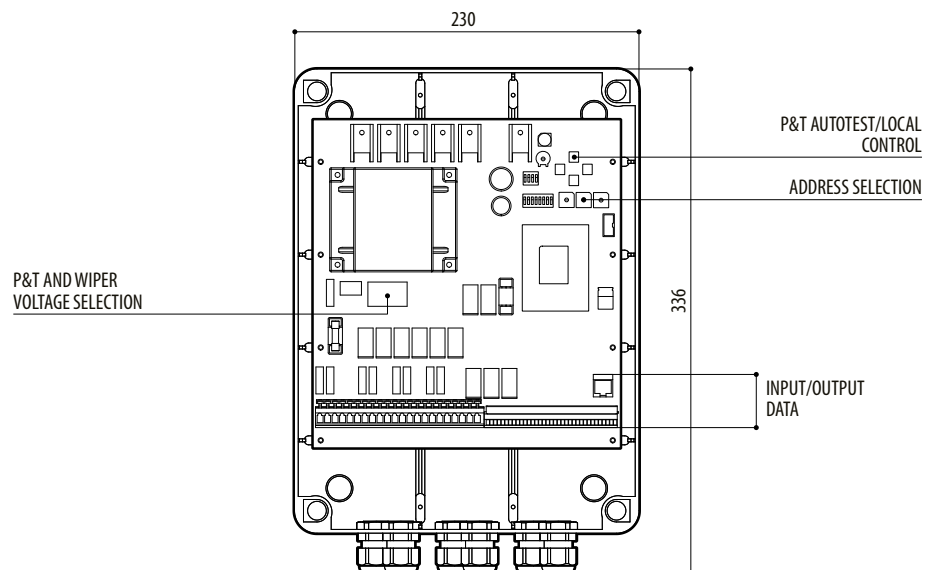
6 PG11 cable glands make connections easier. By means of a switch, it is possible to select the Pan & Tilt voltage (230Vac or 24Vac) for the model DTRX3.



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  | -                  |