# **DTRX3** DATA TELEMETRY RECEIVER, 17 FUNCTIONS

# **MAIN FEATURES**

11 standard functions for the control of P & T motors and zoom lenses, 6 functions for auxiliary services telemetry data (2x dry contacts, 1x 12Vdc, 1x 24Vac, wiper and washer)

Maintenance of configuration even in case of power loss

RS232, RS485 selectable communication

Selection of the Pan & Tilt power supply (24Vac or 230Vac) and camera (12Vdc or 24Vac)

Up to 40 presets

4 alarm inputs, (preset in case of alarm)

Various telemetry protocols available

Also available in 24Vac (DTRX324)

Operating temperature:  $-20^{\circ}C + 50^{\circ}C$  ( $-4^{\circ}F$  up to  $122^{\circ}F$ )

# 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 or RS485. This digital receiver can be controlled by DCJ and DCTEL 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



# **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 / RS485

Repeater RS232 or RS485 for daisy chain configuration

Ability of using 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 2 PG11 blanking caps, 4 wall mounts with relevant fastening screws

## MECHANICAL

Plastic material enclosure
6xPG11cable glands
External dimensions: 337x237x128mm (15x9x5in)
Unit weight: 2.5kg (5.5lb)

# ELECTRICAL

## DTRX3

Power supply: 230Vac, 50/60Hz
Consumption: 60W
Switching power: 100W max
Power supplied to the positioning device: 24Vac/230Vac, 50/60Hz
Power supplied to the wiper: 24Vac/230Vac, 50/60Hz
Power supplied to the washer: 230Vac, 50/60Hz
Camera power supply: 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: 1 A F 250V, 2.5 A F 250V
DTRX324
Power supply: 24Vac, 50/60Hz
Consumption: 40W
Switching power: 100W max
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

Camera power supply: 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 A F 250V

## PROTOCOLS

VIDEOTEC (300, 1200, 9600, 19200 baud)	
PELCO D (2400, 4800, 9600, 19200 baud)	
VIDEOTEC MACRO (1200, 9600, 19200, 38400 baud)	
PELCO is registered trademark.	

The product may be interfaced with devices not manufactured by VIDEOTEC. It is possible that the interface protocols have changed or are in a different configuration from earlier tested units by VIDEOTEC. VIDEOTEC recommends a 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

Selection of communication

Repeater RS232 or RS485 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)

## **ENVIRONMENT**

Indoor/Outdoor

Operating temperature: -20°C / +50°C (-4°F / 122°F)

## CERTIFICATIONS

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

## ACCESSORIES

DTCOAX Over the coax board (only thru SM series matrix)

### **RELATED PRODUCTS**

SM82A	Video matrix 8 inputs and 2 outputs
SM164B	Video matrix 16 inputs and 4 outputs
SM328B	Matrix 32 inputs and 8 outputs
DCTEL	Matrix and telemetry control keyboard
DCJ	Keyboard for video and telemetry control
DTRX3	DTRX3 Telemetry receiver 17 functions for series PTH300 + preset
PTH910P	Pan&Tilt with preset, 230Vac
PTH310P	Pan&Tilt with preset, 230Vac
NXPTH210	Stailess steel Pan&Tilt,, 230Vac
DTRX324	DTRX324 Telemetry receiver 17 functions for PTH311 + preset
PTH911P	Pan&Tilt with preset, 24Vac
PTH311P	Pan&Tilt with preset, 24Vac
NXPTH211	Stailess steel Pan&Tilt,, 24Vac
Retrofit on discon	ntinued products: contact VIDEOTEC for further specifications.

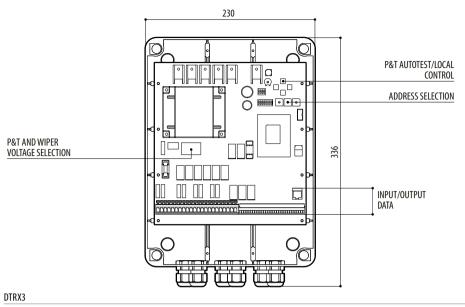
### PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master ca	arton
DTRX3	2.5kg (5.5lb)	34.5x24x15.5cm (13.6x9.4x	6.1in)	5



# **TECHNICAL DRAWINGS**

# Sizes in millimeters.



DTRX3



DTRX3

