

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°C + 50°C (-4°F up to 122°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
 6xPG11 cable 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

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

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

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
NXPHT210	Stainless 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
NXPHT211	Stainless steel Pan&Tilt, 24Vac

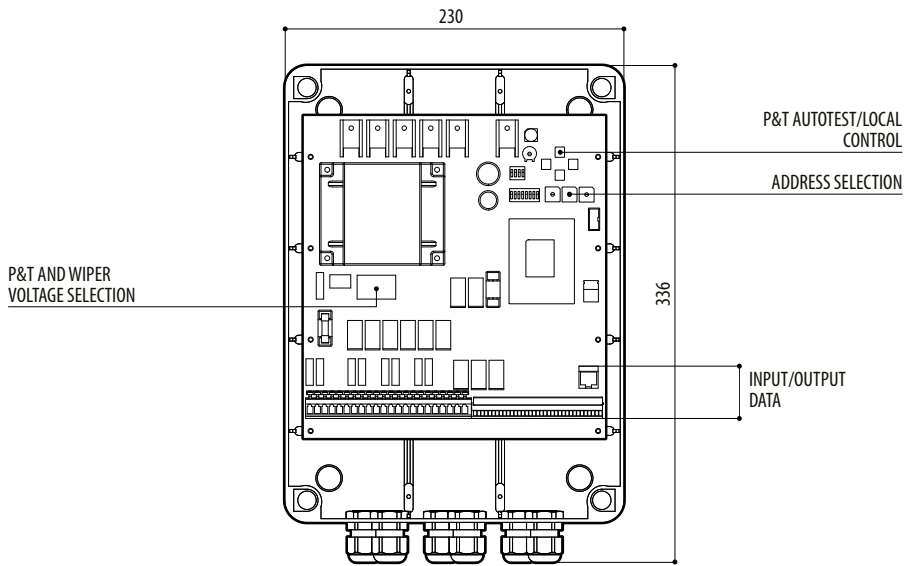
Retrofit on discontinued products: contact VIDEOTECH for further specifications.

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
DTRX3	2.5kg (5.5lb)	34.5x24x15.5cm (13.6x9.4x6.1in)	5

TECHNICAL DRAWINGS

Sizes in millimeters.



DTRX3

