

DTMRX2

TELEMETRY RECEIVER 12 FUNCTIONS

REVISION 0945



MAIN FEATURES

Microprocessor controlled

12 functions

RS232, RS485 or Over Coax communications

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

Weatherproof standard IP56

DESCRIPTION

The DTMRX2 is a digital receiver, controlled by a microprocessor, for remote control of a Pan & Tilt motor and a motor-driven zoom lens.

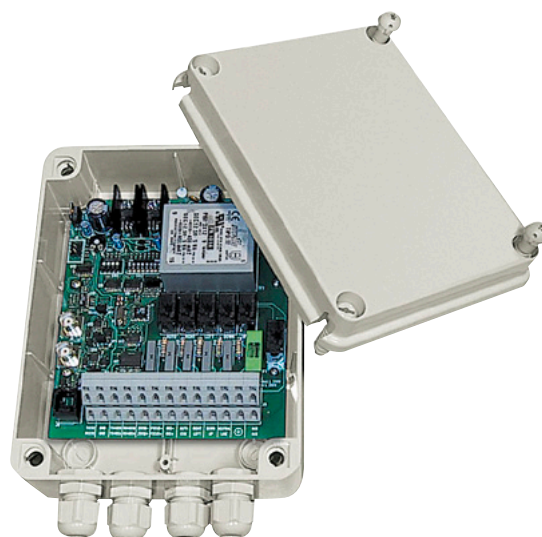
The DCT, DCJ, DCTEL, DCIR and SM matrix series control units ensure complete control of all the DTMRX2 functions. It is also interfaced to a PC through RS232. Connection to the control unit can be RS232, RS485 or over Coax cable (in this case, the connection to the matrix distance can reach up to 350m).

An IP56 weatherproof box ensures protection against all weather conditions.

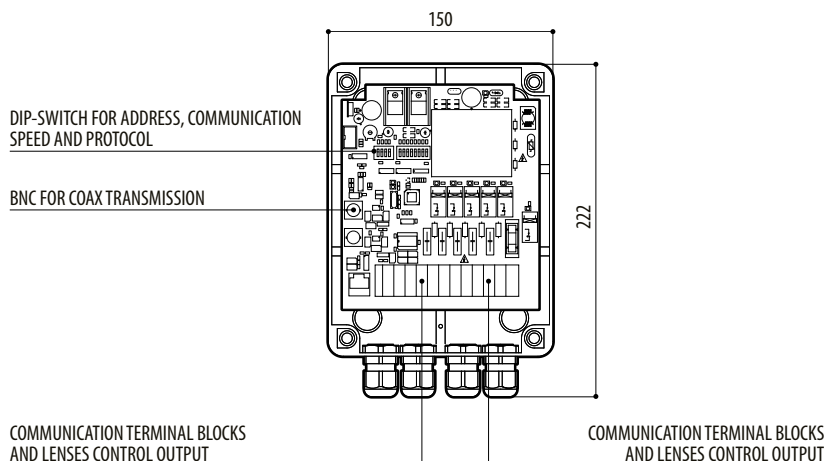
It is available in 24Vac or 230Vac versions for Pan & Tilt motors, and allows feeding common ground or polarity inversion zoom lenses.

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



DTRX3

mm 1:5

DTMRX2

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 switches

Serial communication selectable between RS232, RS485 and Over Coax

Repeater RS232 or RS485 for daisy chain configuration

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: 230Vac, 50/60Hz

Power consumption: 10W

Max swichable power: 100W

Power supplied to the positioning device: 230Vac, 50/60Hz

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

AUX: auxiliary dry contact 1A 230Vac

Protection fuses: F1: F 250mA L 250V

DTMRX224

Power supply: 24Vac, 50/60Hz

Power consumption: 10W

Max swichable power: 100W

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

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

AUX: auxiliary dry contact 1A 24V

Protection fuses: F1: F 2.5A L 250V

PROTOCOLS

VIDEOTECH (1200, 9600, 19200, 38400 baudrate)

MACRO (1200, 9600, 19200, 38400 baudrate)

PELCO D (2400)

PELCO is a registered trademark. Because DTMRX2 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 from us. Because 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 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

ENVIRONMENT

Indoor / Outdoor

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

CERTIFICATIONS

CE EN60065, EN55022 Class B, EN50130-4

FCC Part. 15 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

DTMRX2

PTH910 Pan&Tilt, 230Vac

PTH310 Pan&Tilt, 230Vac

NXPPTH210 Stainless steel Pan&Tilt, 230Vac

IPT720 Pan&Tilt wall mounting, 230Vac

DTMRX224

PTH911 Pan&Tilt, 24Vac

PTH311 Pan&Tilt, 24Vac

NXPPTH211 Stainless steel Pan&Tilt, 24Vac

IPT721 Pan&Tilt wall mounting, 24Vac

IPHS721 Pan ceiling 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	
DTMRX2	1.0	2.2	1.2	2.6	9.5x17.5x29.0	3.7x6.9x11.4	20