

# DTMRX2

TELEMETRY DATA RECEIVER, WITH 12 FUNCTIONS



## 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 DCJ, DCTEL 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 or RS485.

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.

## MAIN FEATURES

11 standard functions for the control of P&T motors and zoom lenses, 1 function for the control of one auxiliary service (dry contact)

Selectable communication: RS-232 and RS-485

Aux can be used for wiper operation

Compatible with protocol PELCO D

Version 24Vac (DTMRX224)

RS232, RS485 repeater for daisy chain configuration

Operating temperature: from -20°C (-4°F) up to +50°C (122°F)

## 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

Selectable communication: RS-232 and RS-485

Repeater RS232 or RS485 for daisy chain configuration

Ability of using 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 (9x6x3in)

Unit weight: 1kg (2.2lb)

### ELECTRICAL

#### DTMRX2

Supply voltage: 230Vac, 50/60Hz

Consumption: 10W

Maximum switching power: 100W

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

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

AUX: auxiliary dry contact 1A 230Vac or 1A 24Vac

Fuse: F1: F 250mA L 250V

#### DTMRX224

Supply voltage: 24Vac, 50/60Hz

Consumption: 10W

Maximum switching power: 100W

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

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

AUX: auxiliary dry contact 1A 24V or 1A 230Vac

Fuse: F1: F 2.5A L 250V

### SERIAL 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)

PELCO D (2400 baud)

VIDEOTEC (1200, 9600, 19200, 38400 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.*

### ENVIRONMENT

For installation indoors and outdoors

Operating temperature: from -20°C (-4°F) up to +50°C (122°F)

### CERTIFICATIONS

Electrical safety (CE): EN60065

Electromagnetic compatibility (CE): EN50130-4, EN55022 (Class B), FCC Part 15 (Class B)

IP protection degree: EN60529 (IP56)

EAC certification

### 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
PTH310	Pan&Tilt, 230Vac
NXPPTH210	Stainless steel Pan&Tilt, 230Vac
PTH311	Pan&Tilt, 24Vac
NXPPTH211	Stainless steel Pan&Tilt, 24Vac

Retrofit on discontinued products: contact VIDEOTEC for further specifications.

### PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
DTMRX2	1.2kg (2.6lb)	9.5x18x29cm (4x7x11in)	20

## TECHNICAL DRAWINGS

The dimensions of the drawings are in millimetres.

