

# TWT2-TWRB2-TWRR2-TWRC1

## VIDEO TRANSMISSION



### TWT2

#### OUTDOOR ACTIVE TWISTED PAIR VIDEO TRANSMITTER



### MAIN FEATURES

Transmission of B/W or colour video signal

Small IP56 weatherproof box

Maximum distance to the receiver: up to 1500m (4900ft) for colour video signal, up to 2000m (6900ft) for B/W with UTP cat.5 cable

Protected from ground loops and over voltage

Available version 230Vac (mod. TWT2A)

### TWRB2

#### OUTDOOR ACTIVE TWISTED-PAIR VIDEO RECEIVER



### MAIN FEATURES

Reception of B/W or colour video signal

Small IP56 weatherproof box

Maximum distance to the transmitter: up to 1500m (4900ft) for colour video signal, up to 2000m (6900ft) for B/W with UTP cat.5 cable

Protected from ground loops and over voltage

Available version in standard Europe rack (TWRR2)

### TWRR2

#### TWISTED-PAIR RACK VERSION VIDEO RECEIVER



### MAIN FEATURES

Europe standard board

Same technical feature of the TWRB2

Maximum distance to the transmitter: up to 1500m (4900ft) for colour video signal, up to 2000m (6900ft) for B/W with UTP cat.5 cable

Protected from ground loops and over voltage

### TWRC1

#### RACK BOX FOR TWRR2 RECEIVER



### MAIN FEATURES

Up to max. 14 TWRR2

19" rack, 3HE

Power supply included

13-place rack case with closing plates for unused places

## TECHNICAL DATA

### GENERAL

Immunity to ground loops  
Protection against over voltage  
Active transmitters: TWT2, TWT2A  
Active receivers: TWRR2, TWRB2

#### Max distance with UTP Cat.5e

Active transmitter and receiver

- 1500m (4921ft) colour signal
- 2000m (6561ft) B/W signal

*Retrofit on discontinued products: contact VIDEOTEC for further specifications.*

### MECHANICAL

#### TWT2 - TWRB2 - TWT2A

Plastic material enclosure  
Dimensions: 129x89x58mm (5x3.5x2.3in) (without cable glands)  
Unit weight: 0.1kg (TWT2), 0.2kg (TWRB2)

#### TWRR2

Dimensions: 3Ux6TEx190mm Eurocard  
Unit weight: 0.1kg (2.2lb)

#### TWRC1

Dimensions: Rack 19", 3U/84TE  
Unit weight: 3kg (6.6lb)

### ELECTRICAL

Transmitter video input: 1.0Vpp, 75 Ohm  
Transmitter video output: 2x0.5Vpp  
Video input receiver: 0.05Vpp - 0.55Vpp  
Video output receiver: 1.0Vpp - 2.5 Vpp  
Transmitter video output impedance: 1100hm  
Receiver video input impedance: 100 Ohm±10%  
Power supply TWT2 / TWRB2 / TWRR2: 12Vdc/24Vac  
Power supply TWT2A: 230Vac  
Consumption max: 2W  
Used cable UTP Cat.5e or above, 0.25mm<sup>2</sup> (24AWG), 100 Ohm

#### TWRC1

Consumption: 30W  
Power supply supplied with TWRC1  
IN 100-240Vac - OUT 12Vdc, 47/63Hz, 2A

## SERIAL COMMUNICATIONS

Ability to increase the distances using intermediate pairs of transmitters/receivers (in this case we recommend not exceeding 3/4 of the maximum distance for the individual sector)  
With cable UTP Cat.5e

## ENVIRONMENT

For installation indoors and outdoors (for TWT2, TWRB2, TWT2A)  
Indoor (for TWRC1 and TWRR2)  
Operating temperature: -10°C / +50°C (14°F / 122 F°) (TWT2, TWRB2, TWT2A)

## CERTIFICATIONS

Electrical safety (CE): EN60950-1  
Electromagnetic compatibility (CE): EN50130-4, EN61000-6-3  
IP protection degree: EN60529 (IP56, TWT2, TWRB2, TWT2A)  
EAC certification

## PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
TWT2	0.1kg (2.2lb)	16x13x7cm (6x5x3in)	-
TWRB2	0.2kg (0.4lb)	16x13x7cm (6x5x3in)	-
TWRR2	0.1kg (2.2lb)	22x14.5x5cm (9x6x2in)	-
TWRC1	3.7kg (8lb)	55x30x18cm (22x12x7in)	-