

# TW

## TWISTED PAIR TRANSMISSION

### TWM2 SMALL ACTIVE TWISTED-PAIR VIDEO TRANSMITTER

Transmission of B/W or color video signal

Dimensions with BNC (connector not included): 40x25x63mm (1.57x0.98x2.5in)

Protected from ground loops and over voltage

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



TWM2

### TWT2 OUTDOOR ACTIVE TWISTED PAIR VIDEO TRANSMITTER

Transmission of B/W or color 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)



TWT2

### TWRB2 OUTDOOR TWISTED-PAIR VIDEO RECEIVER

Reception of B/W or color 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)



TWRB2

### TWRR2 TWISTED-PAIR RACK VERSION VIDEO RECEIVER

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



TWRR2

### TWRC1 RACK BOX FOR TWRR2 CARDS

Up to max 14 TWRR2

19" rack, 3HE

Power supply included

13-place rack case with closing plates for unused places



TWRC1-TWRR2

**TECHNICAL DATA****GENERAL**

Immunity to ground loops

Protection against over voltage

Active transmitters: TWM2, 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****TWM2**

Dimensions: 40x25x63mm (2x1x2.5in) (without connector)

Unit weight: (0.2lb)

**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: (0.2lb)

**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: 110Ohm

Receiver video input impedance: 100 Ohm±10%

Power supply TWT2 / TWM2 / TWRB2 / TWRR2: 12Vdc/24Vac

Power supply TWT2A : 230Vac

Consumption max: 2W

Used cable UTP Cat.5e or above, 24AWG, 100 Ohm

**TWRC1**

Consumption: 30W

Power supply supplied with TWRC1

IN 100-240Vac - OUT 12Vdc, 47/63Hz, 2A

**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**

Indoor/Outdoor (for TWT2, TWRB2, TWT2A)

Indoor (for TWRC1, TWM2 and TWRR2)

Operating temperature: -10°C / +50°C (14°F / 122°F) (TWM2, TWT2, TWRB2, TWT2A, TWRB2A)

**CERTIFICATIONS**

CE EN61000-6-3, EN60950-1, EN50130-4

IP56: TWT2, TWRB2, TWT2A and TWRB2A

**PACKAGE**

| Model Number | Weight        | Dimensions (WxHxL)     | Master carton |
|--------------|---------------|------------------------|---------------|
| TWM2         | 0.2kg (0.4lb) | 16x13x7cm (6x5x3in)    | -             |
| TWT2         | (0.2lb)       | 16x13x7cm (6x5x3in)    | -             |
| TWRB2        | 0.2kg (0.4lb) | 16x13x7cm (6x5x3in)    | -             |
| TWRR2        | (0.2lb)       | 22x14.5x5cm (9x6x2in)  | -             |
| TWRC1        | 3.7kg (8lb)   | 55x30x18cm (22x12x7in) | -             |