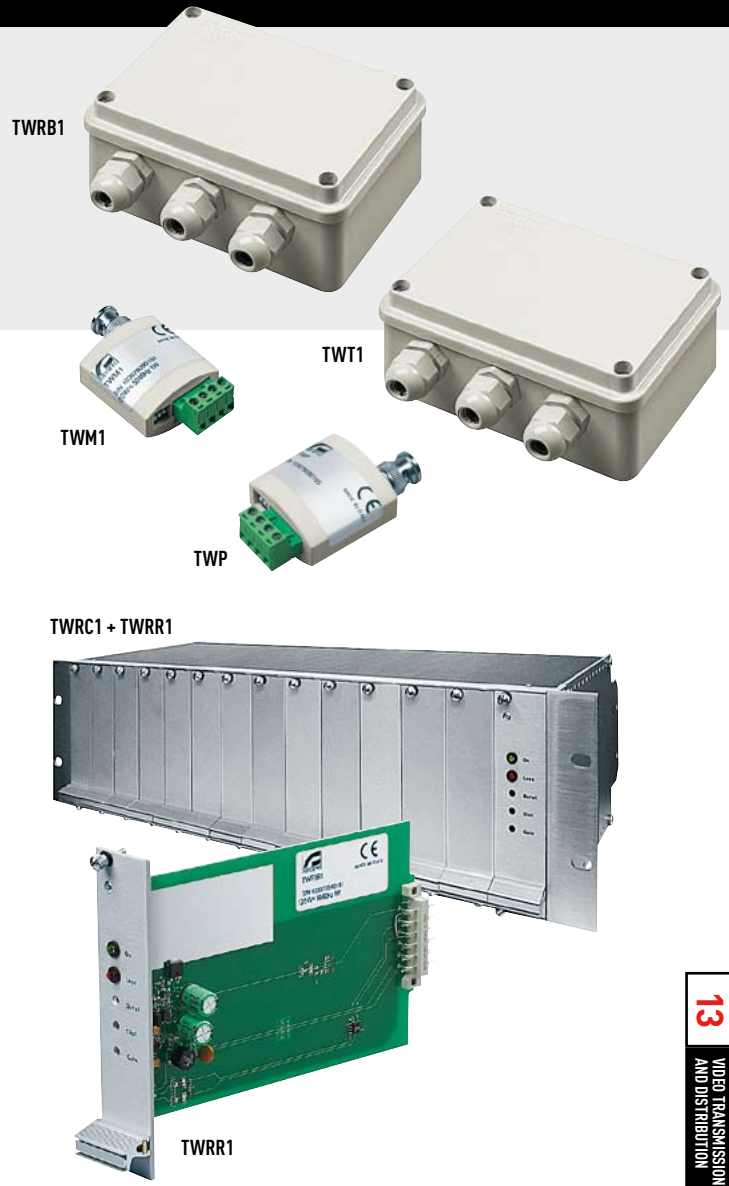


- Video transmission over twisted pair cable
- Up to 1500m (4921ft) with UTP Cat.5 cable
- V AC or V DC power supply
- Wide range of versions

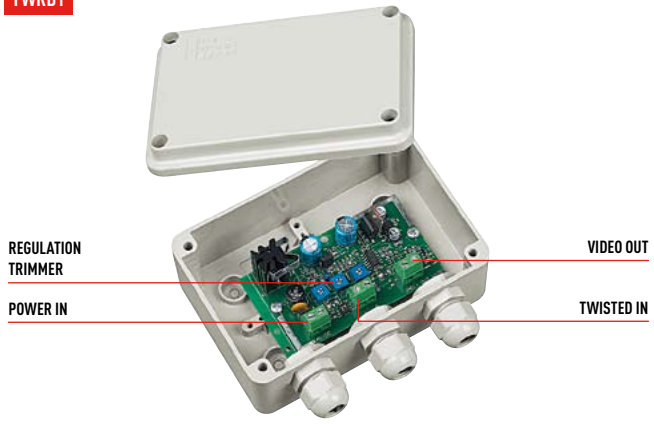
The video transmission system over twisted pair consists in a transmitter and a receiver. The transmitter converts the composite video signal from a camera and transmit it over twisted pair, then the receiver converts again the signal in composite video. Both devices can be adjusted allowing amplification and equalisation of the signal then it is possible to cover long distances (up to 1500m for a colour video signal with UTP Cat.5 cable).

A wide range of models is available satisfying any installation requirements. The transmitter is normally supplied in a IP56 enclosure for outdoor installation: available in two versions, 12V DC/24V AC TWT1 and 230V AC, 50Hz TWT1A. A mini version TWM1 is also available, fed in low voltage, for installation in the outdoor camera housing. The receivers are normally supplied in a IP56 enclosure for outdoor installation: low voltage version TWRB1 12V DC/24V AC and high voltage TWRB1A 230V AC, 50Hz. The receiver is also available on Europe card TWRR1, fed in low voltage, for rack installation.

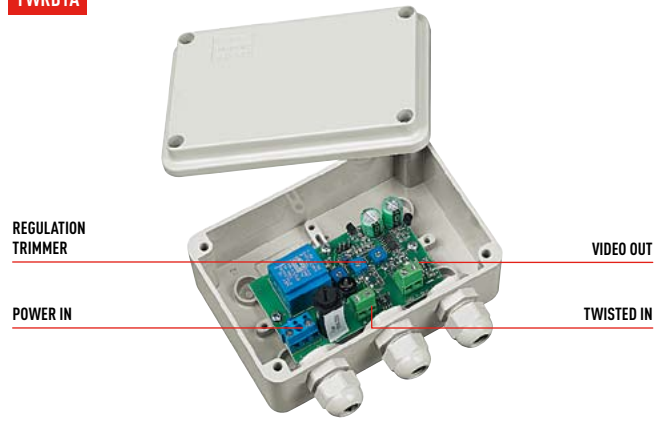


13 VIDEO TRANSMISSION AND DISTRIBUTION

**TWRB1**



**TWRB1A**



**TECHNICAL DATA**

**GENERAL**

Immunity to ground loops  
 Protection against over voltage  
 Active transmitters: TWM1, TWT1, TWT1A  
 Active receivers: TWRR1, TWRB1, TWRB1A  
 Passive transmitter and receiver: TWP

**Max distance with UPT Cat.5**

Active transmitter and receiver  
 - 1500m (4921ft) color signal  
 - 2000m (6561ft) white / black signal

Passive transmitter and receiver  
 - 350m (1148ft) color signal  
 - 600m (656ft) white / black signal

Passive transmitter TWP and receiver TWRR1, TWRB1, TWRB1A  
 - 750m (2460ft) color signal  
 - 1250m (4101ft) white / black signal

Transmission between MISTRAL compact dome and passive receiver TWP  
 - 500m (1640ft) color signal

Transmission between MISTRAL compact dome and receiver TWRR1, TWRB1, TWRB1A  
 - 1500m (1640ft) color signal

Supplied with instruction manual

*Retrofit on previous models: contact Videotec for further specifications.*

**MECHANICAL**

**TWP - TWM1**  
 Dimensions: 40x25x63mm (1.6x0.9x2.5in) connector not included

**TWT1 - TWRB1 - TWT1A - TWRB1A**  
 Plastic enclosure  
 Dimensions: 129x89x58mm (5x3.5x2.3in) cable-glands not included

**TWRR1**  
 Dimensioni: 3Ux6TEx190mm (7.5in) Eurocard

**TWRC1**  
 Dimensions: 19", 3U/84TE

**ELECTRICAL**

Transmitter video input: 1.0Vpp, 75 Ohm  
 Transmitter video output: 2x0.5Vpp  
 Receiver video input: 0.05Vpp - 0.55Vpp  
 Receiver video output: 1.0Vpp - 2.5Vpp  
 Transmitter video output impedance: 110 Ohm  
 Receiver video input impedance: 100 Ohm±10%  
 Power supply TWT1 / TWM1 / TWRB1 / TWRR1: 12V DC/24V AC  
 Power supply TWT1A / TWRB1A: 230V AC  
 Consumption max: 2W  
 Used cable UTP Cat.5 or above, 24AWG, 100 Ohm

**COMMUNICATIONS**

Ability to increase the distances using intermediate pairs of transmitters/receivers (in this case with recommend non exceeding 3/4 of the maximum distance for the individual sector)

With cable UTP Cat.5

**TWRC1**

Consumption: 30W

**Power supply**

- IN 100-240V AC - OUT 12V DC, 47/63Hz, 2A

**RELATED PRODUCTS**

**MISTRAL**      Dome Camera

**ENVIRONMENT**

Indoor / Outdoor for TWT1, TWRB1, TWT1A and TWRB1A  
 Indoor for TWM1 and TWRR1  
 Operating temperature: -10°C / +50°C (14°F / 122 F°) for TWM1, TWT1, TWRB1, TWT1A e TWRB1A  
 Operating temperature: -20°C / +75°C (-4°F / 167°F) per TWP

**COMPLIANCE TO**

CE according to EN 61000-6-3, EN 60950, EN 50130-4  
 TWT1, TWRB1, TWT1A and TWRB1A: IP56

| Unit Weight:                 | Package Weight:              | Package Dimensions (BxHxL):                | Master Carton:   |
|------------------------------|------------------------------|--|------------------|
| TWM1 0.1kg / 0.2lb           | TWM1 0.1kg / 0.2lb           | TWM1 16.2x13x7cm / 6.3x5.1x2.8in           | TWM1 -           |
| TWT1 / TWT1A 0.1kg / 0.2lb   | TWT1 / TWT1A 0.1kg / 0.2lb   | TWT1 / TWT1A 16.2x13x7cm / 6.3x5.1x2.8in   | TWT1 / TWT1A -   |
| TWRB1 / TWRB1A 0.2kg / 0.4lb | TWRB1 / TWRB1A 0.2kg / 0.4lb | TWRB1 / TWRB1A 16.2x13x7cm / 6.3x5.1x2.8in | TWRB1 / TWRB1A - |
| TWRR1 0.1kg / 0.2lb          | TWRR1 0.1kg / 0.2lb          | TWRR1 22x14.5x4.6cm / 8.6x5.7x1.8in        | TWRR1 -          |
| TWRC1 3kg / 6.6lb            | TWRC1 3.7kg / 8.2lb          | TWRC1 55x30x18cm / 21.6x11.8x7in           | TWRC1 -          |
| TWP 0.1kg / 0.2lb            | TWP 0.1kg / 0.2lb            | TWP 16.2x13x7cm / 6.3x5.1x2.8in            | TWP -            |