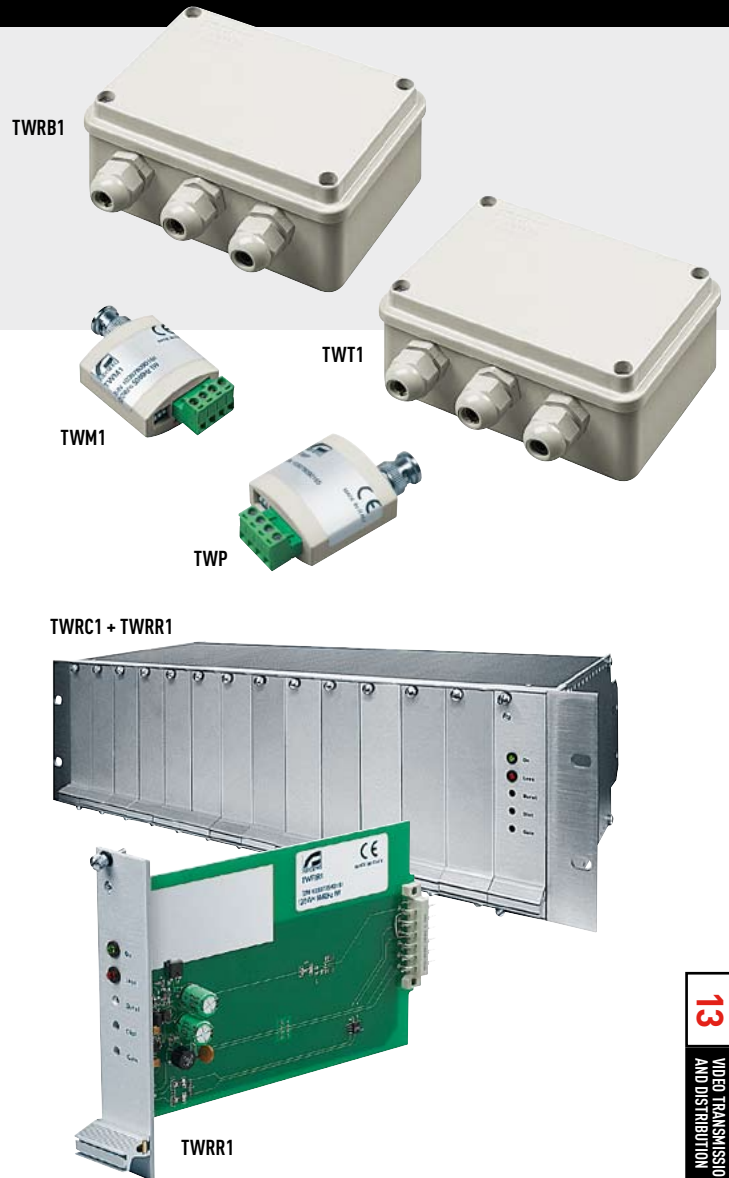


- Video transmission over twisted pair cable
- Up to 1500m (4921ft) with UTP Cat.5 cable
- V AC or V DC power supply
- Wide range of versions

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.

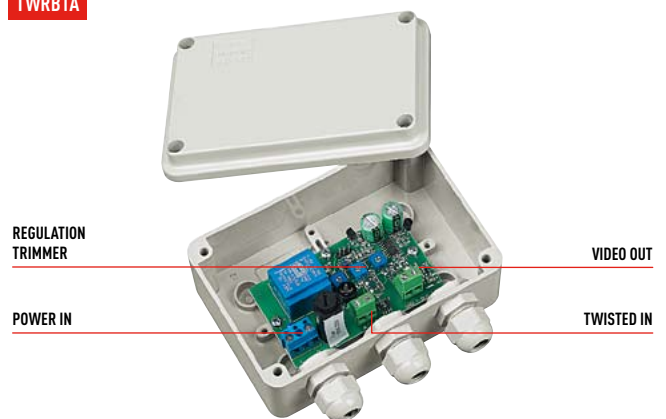


13 VIDEO TRANSMISSION AND DISTRIBUTION

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	TWP16.2x13x7cm / 6.3x5.1x2.8in	TWP -