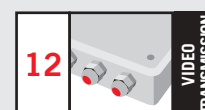
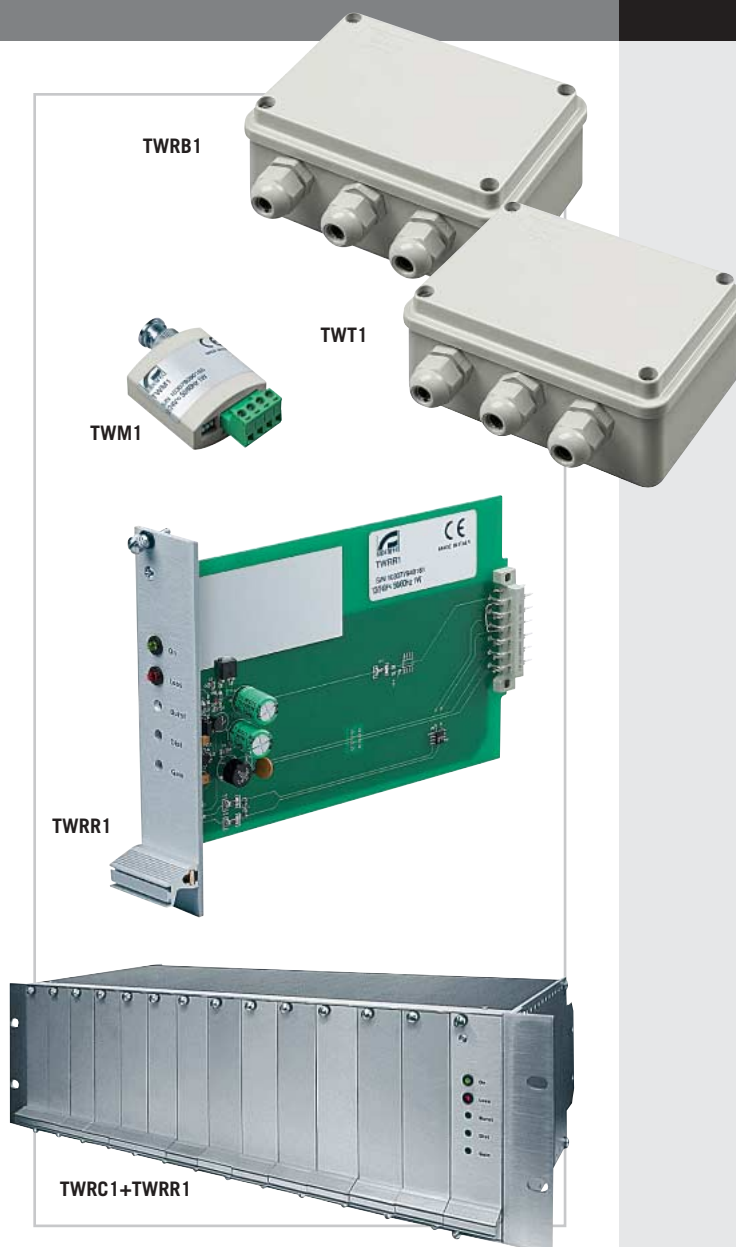


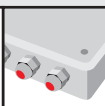
- Video transmission over a twisted pair cable
- Up to 1500 m (4900 ft) with UTP cat. 5 cable
- VAC or VDC power supply
- Wide range of versions

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 1500 m for a colour video signal with UTP cat. 5 cable).

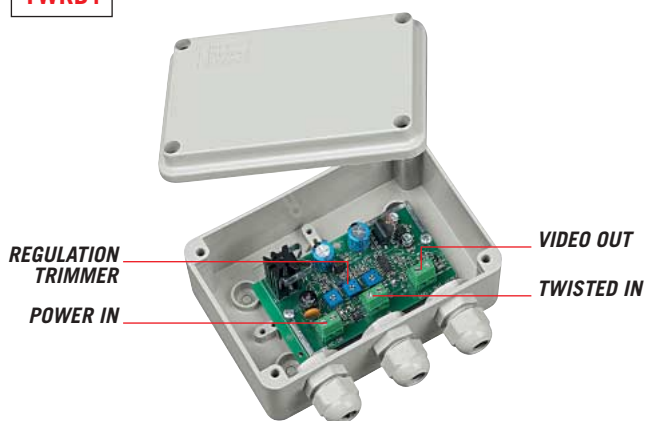
A wide range of models is available satisfying any installation requirements. The transmitter is normally supplied in a IP56 enclosure for outdoor installation: available in two versions, 12VDC/24VAC **TWT1** and 230VAC, 50Hz **TWT1A**. A mini version **TWM1** is also available, fed in low voltage, for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



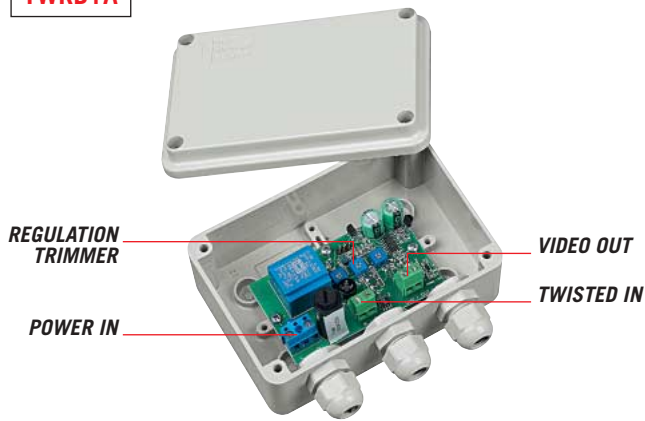
MODELS:	
TWM1	Mini twisted pair video transmitter 12VDC/24VAC
TWT1	Twisted pair video transmitter in IP56 box 12VDC/24VAC
TWRB1	Twisted pair video receiver in IP56 box 12VDC/24VAC
TWRR1	Twisted pair video receiver Europe card rack version 12VDC/24VAC
TWRC1	Rack 19" for 14 receivers TWRR1 models and power supply
TWT1A	Twisted pair video transmitter in IP56 box 230VAC
TWRB1A	Twisted pair video receiver in IP56 box 230VAC



TWRB1



TWRB1A



TECHNICAL DATA

GENERAL

- Immunity to ground loops
- Protection against over voltage
- Maximum distance with UTP cat. 5 cable:
1500 m colour signal (4900 ft),
2000 m black and white signal (6500 ft)
- Supplied with: instruction manual

Retrofit on previous models: contact Videotec for further specifications.

MECHANICAL

TWM1

- Dimensions: 40x25x63 mm (1.57x0.98x2.48 in) connector not included

TWT1 - TWRB1 - TWT1A - TWRB1A

- Plastic enclosure
- Dimensions: 129x88x58 mm (5.07x3.46x2.28 in) cable-glands not included

TWRR1

- Dimensions: 3Ux6TEx190 mm (7.48 in) Eurocard

ELECTRICAL

- Transmitter video input: 1,0 Vpp, 75 Ohm
- Transmitter video output: 2x0.5 Vpp
- Receiver video input: 0,05 Vpp - 0,55 Vpp
- Receiver video output: 1,0 Vpp - 2,5 Vpp
- Transmitter video output impedance: 110 Ohm
- Receiver video input impedance: 100 Ohm±10%
- Power supply TWT1/TWM1/TWRB1/TWRR1: 12VDC/24VAC
- Power supply TWT1A/TWRB1A: 230VAC
- Consumption max: 2W

COMMUNICATIONS

- Transmission of a black and white video signal up to maximum 2000 m (6500 ft)*
- Transmission of a colour video signal up to maximum 1500 m (4900 ft)*
- Kind of cable: UTP cable Cat. 2 or better, 18/24 AWG, 100±20 Ohm
- Ability to increase the distances using intermediate pairs of transmitters and receivers (in this case with recommend non exceeding 3/4 of the maximum distance for the individual sector)

* With cable Cat. 5 UTP.

ENVIRONMENT

- TWT1, TWRB1, TWT1A and TWRB1A: indoor/outdoor
- TWM1 and TWRR1: indoor
- Operating temperature: -10 - +50°C (14 - 122 F°)

COMPLIANCE TO

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



Unit Weight (kg / lb):

TWM1: 0,035 / 0,077
TWT1 / TWT1A: 0,165 / 0,363
TWRB1 / TWRB1A: 0,2 / 0,44
TWRR1: 0,1 / 0,22
TWRC1: 2,5 / 5,511

Package Weight (kg / lb):

TWM1:
TWT1 / TWT1A:
TWRB1 / TWRB1A:
TWRR1:
TWRC1:

Package Dimensions (cm / in):

TWM1:
TWT1 / TWT1A:
TWRB1 / TWRB1A:
TWRR1:
TWRC1:

Master Carton (units):

TWM1:
TWT1 / TWT1A:
TWRB1 / TWRB1A:
TWRR1:
TWRC1: