

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

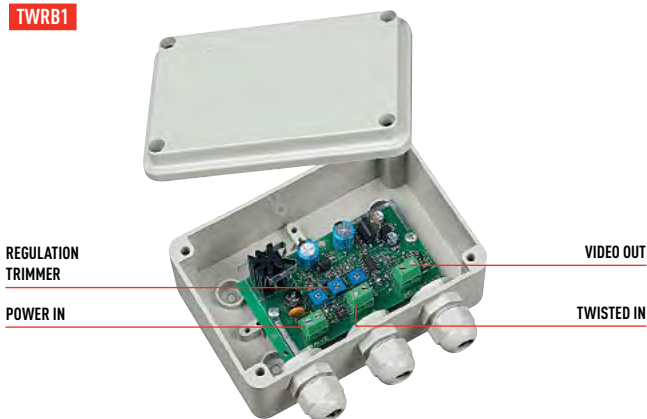


The video transmission system over twisted pair consists in a transmitter and a receiver. The transmitter converts the composite video signal from a camera and transmit it over twisted pair, then the receiver converts again the signal in composite video. Both devices can be adjusted allowing amplification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

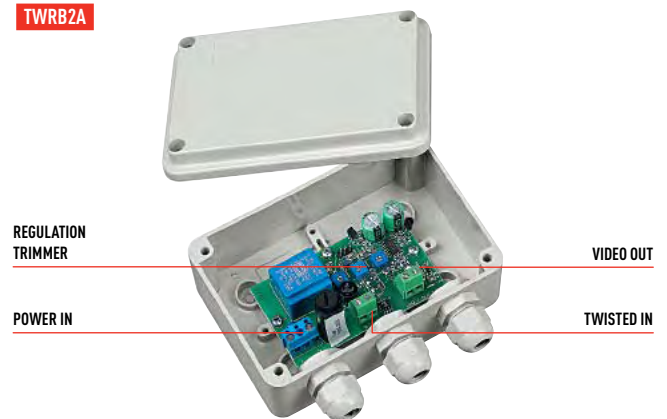
A wide range of models is available satisfying any installation requirements. The transmitter is normally supplied in a IP56 enclosure for outdoor installation: available in two versions, 12Vdc/24Vac (TWT2) and 230Vac, 50Hz (TWT2A). A mini version (TWM2) is also available, fed in low voltage, for installation in the outdoor camera housing. The receivers are normally supplied in a IP56 enclosure for outdoor installation: low voltage version TWRB2 12Vdc/24Vac and high voltage TWRB2A 230Vac, 50Hz. The receiver is also available on Europe card TWRR1, fed in low voltage, for rack installation.

The new TWPL1 can bring the video, the power supply and the telemetry in one cat. 5 cable.

TWRB1



TWRB2A



TECHNICAL DATA

GENERAL

Immunity to ground loops
 Protection against over voltage
 Active transmitters: TWM2, TWT2, TWT2A
 Active receivers: TWRR1, TWRB2, TWRB2A
 Passive transmitter and receiver: TWP, TWPL1

Max distance with UTP Cat.5

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

Passive transmitter and receiver
 - 350m (1148ft) colour signal
 - 600m (1968ft) white / black signal

Passive transmitter TWP and receiver TWRR1, TWRB2, TWRB2A
 - 750m (2460ft) colour signal
 - 1250m (4101ft) white / black signal

Passive transmitter and receiver TWPL1
 - 100m (328ft) colour signal

Passive transmitter TWPL1 and active receiver TWR
 - 750m (2460ft) colour signal

Supplied with instruction manual

Retrofit on previous models: contact Videotec for further specifications.

MECHANICAL

TWP - TWM2
 Dimensions: 40x25x63mm (1.6x0.9x2.5in) connector not included

TWPL1
 Dimensions: 22x47x32mm (0.87x1.85x1.26in) connector and cable not included

TWT2 - TWRB2 - TWT2A - TWRB2A
 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 TWT2 / TWM2 / TWRB2 / TWRR1: 12Vdc/24Vac
 Power supply TWT2A / TWRB2A: 230Vac
 Consumption max: 2W
 Power pass through TWPL1: 250mA at 300m, 1A at 30m on AWG24 cables
 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 100-240Vac - OUT 12Vdc, 47/63Hz, 2A

ENVIRONMENT

Indoor / Outdoor for TWT2, TWRB2, TWT2A and TWRB2A
 Indoor for TWRC1, TWP, TWPL1, TWM2 and TWRR1
 Operating temperature: -10°C / +50°C (14°F / 122 F°) for TWM2, TWT2, TWRB2, TWT2A e TWRB2A
 Operating temperature: -20°C / +75°C (-4°F / 167°F) per TWP
 Operating temperature for TWPL1: 0°C / + 85°C (32°F / +185°F)

COMPLIANCE TO

CE according to EN 61000-6-3, EN 60950, EN 50130-4
 TWT2, TWRB2, TWT2A and TWRB2A: IP56

	Unit Weight:	Package Weight:	Package Dimensions (BxHxL):	Master Carton:
	TWM2 0.1kg / 0.2lb	TWM2 0.1kg / 0.2lb	TWM2 16.2x13x7cm / 6.3x5.1x2.8in	TWM2 -
	TWT2 / TWT2A 0.1kg / 0.2lb	TWT2 / TWT2A 0.1kg / 0.2lb	TWT2 / TWT2A 16.2x13x7cm / 6.3x5.1x2.8in	TWT2 / TWT2A -
	TWRB2 / TWRB2A 0.2kg / 0.4lb	TWRB2 / TWRB2A 0.2kg / 0.4lb	TWRB2 / TWRB2A 16.2x13x7cm / 6.3x5.1x2.8in	TWRB2 / TWRB2A -
	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 -
	TWPL1 -	TWPL1 -	TWPL1 -	