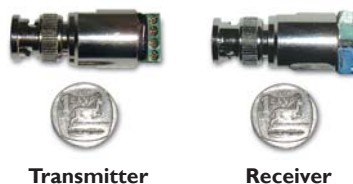


E-TPT/TPR-BNC Low Cost Twisted Pair Video Converter Kit

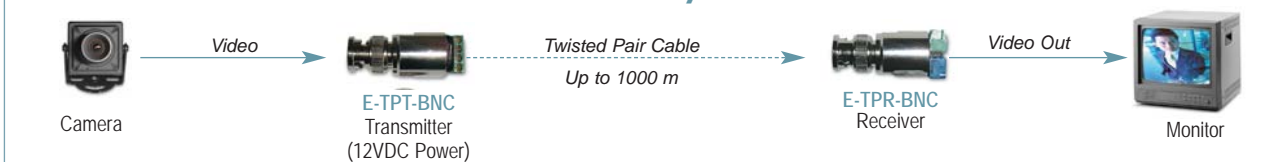
These economically priced twisted pair video balun's make the use of twisted pair cable an affordable reality for CCTV installations. They also allow the transmission of video up to distances of 1000 metres. Both transmitter and receiver feature BNC connectors which allow them to be easily connected to a camera, monitor, mux or DVR.

Their compact size also means they can be fitted into camera housings and used in areas of limited space. At the rear of each balun is a screw terminal for connecting the twisted pair cable and 12VDC power. Adjustments are possible on the receiver, depending on the transmission distance. The variable pot adjusts the colour and brightness.



⊕ Max Transmission	1000 m	⊕ Video input signal	1Vpp / 75 ohm
⊕ Mounting Location	BNC camera connector	⊕ 75 ohm termination	Yes
⊕ Transmission signal	Twisted pair symmetric 2x2 VPP no-load voltage	⊕ Operating voltage	12VDC @ 0.3W (E-TPT-BNC) or 12VDC @ 0.5W (E-TPR-BNC)
⊕ Video input signal (E-TPT-BNC)	1Vpp / 75 ohm	⊕ Ambient temperature	-10°C up to +60°C
⊕ Video output signal (E-TPR-BNC)	1Vpp / 75 ohm	⊕ Weight	30g (E-TPR-BNC) 40g (E-TPT-BNC)
⊕ Frequency response	+0 / -0.5dB (5MHz)	⊕ Dimensions	(LxD) 47 mm x 18 mm
⊕ Source Impedance	120ohm (with p/2Y cable)		

Co-Ax to Twisted Pair Transmission System



E-TPT-414/TPAR-414 4 Channel Twisted Pair Video Transmission Kit

This set of twisted pair video transmission equipment consists of a 4 channel co-ax to twisted pair transmitter and a 4 channel active receiver. It allows one to transmit 4 individual composite video signals over a single CAT5 UTP cable. Four channels of video are inputted on the transmitter side and four channels of video outputted on the receiver side.

The transmission unit features 4 BNC connectors and an RJ45 connector for the CAT5. On the receiver end, the unit has 4 BNC connectors for video output, an RJ45 connector for the CAT5 receiving end and a 2.1mm DC socket for 12VDC power. Both units are extremely compact and easy to install. The receiver has adjustable gain settings for different ranges from 0~300 metres, up to 1200~1500 metres.



E-TPAR-414
Active Receiver

FEATURES

Receiver Unit E-TPAR-414

- ⊕ **Video Input:** 4 x BNC (1Vp-p 75ohm)
- ⊕ **Twisted Pair Output:** 1 x RJ45 Socket
- ⊕ **Adjustments:** Adjustable Gain & Contrast
- ⊕ **Distance Adjustment:** 5 position dip-switch
- ⊕ **Transmission Range:** 1000 Metres (Colour)
1500 Metres (B/W)
- ⊕ **Power:** 12VDC @ 300mA
- ⊕ **Dimensions:** 138 x 66 x 28mm

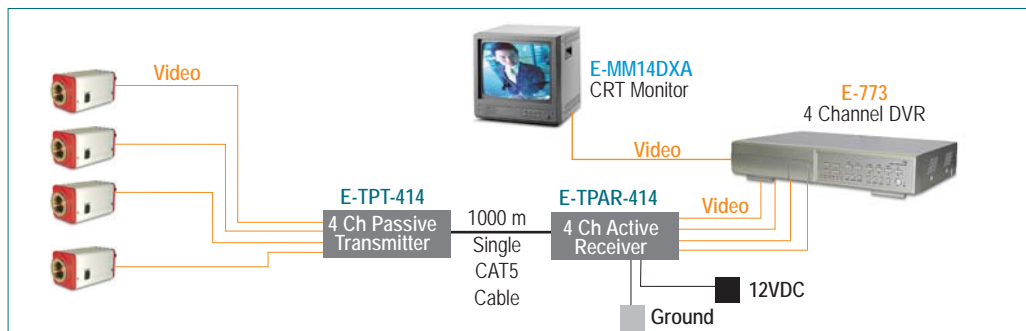
FEATURES

Transmission Unit E-TPT-414

- ⊕ **Video Input:** 4 x BNC (1Vp-p 75ohm)
- ⊕ **Twisted Pair Output:** 1 x RJ45 Socket
- ⊕ **Power:** Passive - No Power Needed
- ⊕ **Dimensions:** 138 x 66 x 28mm



E-TPT-414
Transmitter



MODEL	Description
E-TPT-414	4 Channel Twisted Pair Transmitter Unit - Compatible with E-TPAR-414
E-TPAR-414	4 Channel Twisted Pair Receiver Unit - Active - Compatible with E-TPT-414

E-TWT1 Co-Ax to Twisted Pair Video Transmitter

Housed in an IP65 enclosure, this product converts co-ax to unshielded twisted-pair for transmission over long distances. Signals are terminated inside the enclosure with screw-terminal connectors.

- ⊕ **Transmission Distance** Up to 1500m
- ⊕ **Enclosure** IP65 Weatherproof
- ⊕ **Video Input** 1Vp-p, 75ohm
- ⊕ **Video Output** 2x0.5Vp-p Twisted Pair
- ⊕ **Current Consumption** 12VDC/24VAC; 2W
- ⊕ **Dimensions (mm)** 129 x 88 x 58 mm

MODEL	Description
E-TWT1	Co-Ax to Twisted Pair Video Transmitter - IP65 Enclosure



**Compatible With
E-TWRB1 / E-TWRR1**

E-TWM1 Co-Ax to Twisted Pair Video Transmitter

The **E-TWM1** is an extremely compact co-ax to twisted-pair video transmitter. It features a BNC connector and screw-terminals. This allows the unit to easily connect to the rear of CCTV cameras and to fit inside camera housings. Powered off 12 or 24 VAC/VDC, it is compatible with the E-TWRB1/E-TWRR1 receiver units.

- ⊕ **Transmission Distance** Up to 1500 metres
- ⊕ **Video Input** 1Vp-p/75ohm (BNC)
- ⊕ **Video Output** 2 x 0.5Vp-p
- ⊕ **Current Consumption** 100mA @ 12/24 VDC or VAC
- ⊕ **Dimensions (mm)** 40 x 25 x 63 mm

MODEL	Description
E-TWM1	Miniature Twisted Pair Transmitter - Balun with BNC connector



**Compatible With
E-TWRB1 / E-TWRR1**

E-TWRB1 / E-TWRR1 Twisted Pair to Co-Ax Receivers

These receivers receive a twisted-pair cable from a E-TWM1/TWT1 transmitter and converts it back to a co-ax video signal. This can then be connected to a monitor, switcher or recorder. It can be supplied encased in an IP65 enclosure or for larger installations in 19" rack mount format. The rack mount version includes a rack incorporating up to 10 Euro-card modules and a power supply. This format helps keep an installation orderly and reduces unnecessary cables. Each Euro-card module features a screw terminal block and BNC connector at the rear.

- ⊕ **Video Input** Twisted pair video input
- ⊕ **Input Impedance** 100(ohm) 10%
- ⊕ **Gain** Adjustable via trimpot
- ⊕ **Video Output** 1Vp-p, 75 ohm (co-ax)
- ⊕ **Enclosure** IP65 Waterproof Enclosure or Rackmount Format
- ⊕ **Current Consumption** 12VDC/24VAC; 2W (E-TWRB)
- ⊕ **Dimensions (mm)** E-TWRB1: 129 x 88 58
- ⊕ **Dimensions (mm)** E-TWRR1: 3U x 6TE x 190

MODEL	Description
E-TWRR1	Twisted Pair to Co-Ax Receiver - Euro Card Format
E-TWRB1	Twisted Pair to Co-Ax Receiver - IP65 Enclosure
E-TWRC1	19" Rack Mount Enclosure for E-TWRR1 receiver modules - Includes PSU



All above units to be used with CAT 5 twisted pair cable.

Configuration 2 Co-Ax to Twisted Pair Transmission System

