

Active Video Balun Video, Data, Surge Protection

EVT-TB1-42T – Transmitter

EVT-RB1-4T2 – Receiver

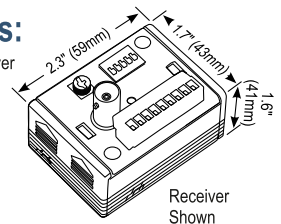
EVT-AB1 – Tx & Rx Set

The active (amplified) video balun transmits video signals of a CCTV camera long distances over low-cost CAT 5e cable. Suitable for full-motion color and monochrome cameras; adjustable for maximum picture quality. A built-in data port allows the transmission of PTZ signals.



Dimensions:

(Transmitter & Receiver are the same size.)



Features:

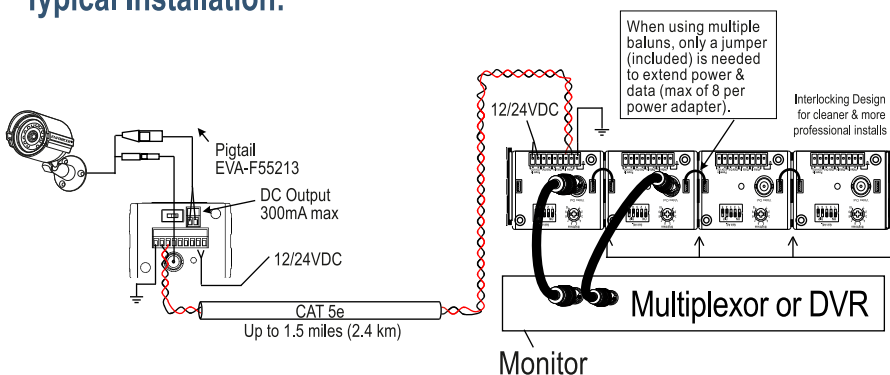
- ▶ Active operation – The transmitter amplifies the video signal for excellent picture quality at long distances.
- ▶ Transmits video signal up to 1.5 miles (2.4km).
- ▶ Uses low-cost CAT 5e unshielded twisted pair (UTP) cable instead of costly coaxial cables.
- ▶ Includes BNC connectors and removable terminal blocks – No need to waste time crimping RJ-45 connectors.
- ▶ High immunity from interference – Built-in impedance coupled device and noise filter.
- ▶ Easy installation.
- ▶ 300mA DC output on transmitter.
- ▶ Includes 12VDC power adapters.
- ▶ Gold-plated BNC connectors.
- ▶ Surge protection. Ground lifting and transient protection.

Specifications:

Range	Color 5,000' (1524m)* B/W 8,000' (2438m)
Video format	RS170, NTSC, PAL, SECAM, CCIR
Video input	1Vp-p, 75 ohms, BNC connector
Data	RS422/RS485, 4-ports
Cable type	CAT 2 or better (best if CAT 5e)
Blue LED	Power on/off
Adjustments	Tx - 3 positions Rx - 5 dip switches (32 combinations)
Insertion loss	< 2dB per pair from DC ~ 5Hz
Return loss	>15dB from DC ~ 5MHz
Frequency response	DC ~ 5MHz
Attenuation	DC ~ 5Hz, 1.5dB max.
Common mode rejection	60dB
Power:	12/24 VDC, 12VDC adapter included
Power consumption:	40mA Tx, 60mA Rx @ 12VDC
Surge protection (video):	Surge ratings IPP: 100 Amp at 10us x 1000us. Maximum Peak Current: 250 Amp at 8us x 20us, Transient Volt. Surge Suppressors
Temperature range:	7°-329° F (-14°-165° C)
Humidity range:	0-95%
Impedance: (BNC):	75W, (terminal): 100W
Case:	ABS plastic
Weight: (without adaptors)	Tx 3.4 oz. (95g), Rx 3.0 oz. (84g)

* Case alone is 2 1/8" (54mm)

Typical Installation:



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