

## Quad Video Balun



**Quad Video Balun**  
**BNC Female**  
**Part Number: E10172**

### Features:

- Offers 4 video paths from BNC Female into 1 RJ45 socket.
- Bi-directional signal conversion.
- High Reliability and Durability
- Housed in a fire retardant wall mountable Case
- Impedance 75 to 100 Ohm
- Low cost, high quality and performance
- Passive device (no power supply required)
- Stable over working temperature between 0 °C to +55 °C

### Application:

In many security applications, video signal is carried over 75 ohm coaxial cabling and there is a need to convert to balanced transmission using lower cost 100 ohm twisted pair cables.

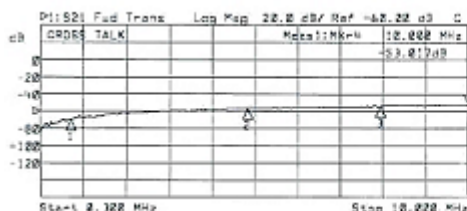
These Quad Baluns enable 4 video signals to be interfaced using coaxial on one side to twisted pair cabling on the other using modular RJ45 connectors to achieve quick and reliable connections.

### Specifications:

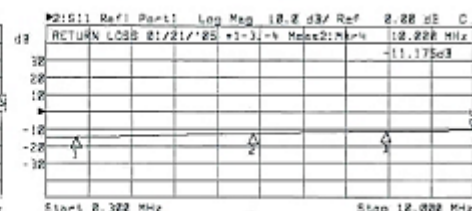
Bandwidth:	DC to 8MHz
Insertion Loss:	< 2 dB to 8MHz
Impedance:	75 ohm Coaxial, 100 ohm RJ45
Maximum Signal Voltage:	1.1 Vp-p
Return Loss:	> 15 dB to 8 MHz
Cross Talk:	> 50 dB to 8 MHz
Common Mode Rejection:	> 40 dB @ 8 MHz
RJ45 Contacts:	Gold, 50 micro inch
RJ45 Pin Out:	1 (+) , 2 (-) 3 (+) , 6 (-) 5 (+) , 4 (-) 7 (+) , 8 (-)
Temperature Range:	0 to 55 °C operating, 95% Relative Humidity
Casing:	Fire Retardant Plastic ABS UL 94V-0
Maximum Distance:	Color: Up to 400 m Cat 5e B&W: Up to 600 m Cat 5e
Dimensions:	81 x 60 x 24 mm
Compatible with:	E10172B

Note: Specifications subject to change without notice.

### Typical Test Results



Typical Crosstalk



Typical Return Loss

Note: An Installation Guide for Video Balun installations is available on request. For optimum results the recommendations provided in the guide must be followed.

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