Quad Balun – Panel Mounting

**Quad Video Balun
BNC Female Bulkhead Panel Mount
Part Number: E10172B**

**19" 1RU Quad Video Balun Panel
(Unloaded) Mounts 4 Quads
Part Number: E10172P**

**19" 1RU Quad Video Balun Panel
(Unloaded) with Designation Strip
Part Number: E10172PS**

Features:

- Offers 4 video paths from BNC Female Bulkhead Panel Mount 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 $^{\circ}$C to +55 $^{\circ}$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.
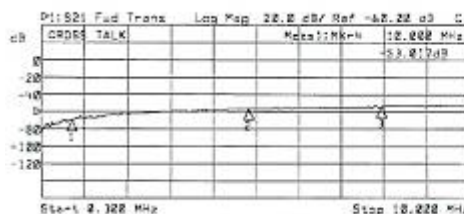
Used in conjunction with E10172P or E1072PS will enable a neat professional installation for up to 16 video paths.
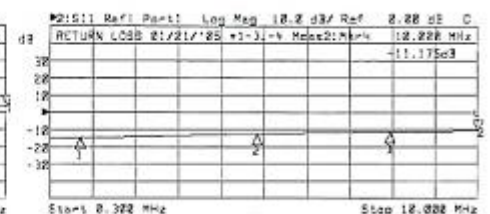
Specifications:

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 ºC 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:	E10172 / E10172P / E10172PS

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.

EQL Networks & Security

**Unit 20, 13 Swaffham Road
Minto NSW 2566
Australia**

**Postal Address:
P.O. Box 351
Minto NSW 2566
Australia**

**Tel: +61 2 9824 5680
Fax: +61 2 9824 5685
Email: sales@eql.com.au
Web: www.eql.com.au**

ABN: 93 098 402 218