

## Quad Balun – Panel Mounting

### 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 °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.

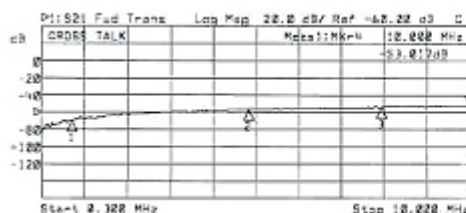
Used in conjunction with E10172P or E1072PS will enable a neat professional installation for up to 16 video paths.

### Specifications:

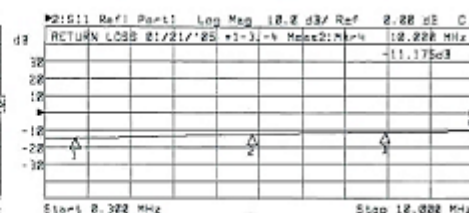
|                         |  |
|-------------------------|--|
| Bandwidth:              | DC to 8MHz   |
| Insertion Loss:         | < 2 dB to 8MHz   |
| Impedance:              | 75 ohm Coaxial, 100 ohm RJ45                                     |
| Maximum Signal Voltage: | 1.1 Vp-p   |
| Return Loss:            | > 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 (-)<br>3 (+) , 6 (-)<br>5 (+) , 4 (-)<br>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<br>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.



**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**

## EQL Teleconnect

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@teleconnect.com.au](mailto:sales@teleconnect.com.au)  
Web: [www.teleconnect.com.au](http://www.teleconnect.com.au)

ABN: 93 098 402 218