

### Quick Connect Video Balun - Tail



**Quick Connect Video Balun  
BNC Male to IDC  
Part Number: E10180TC**



**Rear View showing IDC**

#### Application Note:

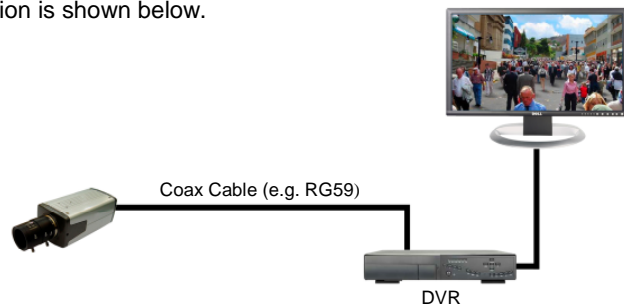
Traditionally, coaxial cables such as RG59 are used for connecting the CCTV camera video to the DVR but now it is possible through use of EQL's Passive Video Balun (Coax to Cat 5 Converter) to replace the more expensive coaxial cable with Cat 5 cable for this purpose. To convert from coaxial cable to the newer Cat 5 twisted pair cable is a very easy process and simply involves use of a video balun at the camera end and another video balun at the DVR end and interconnecting the two baluns with Cat 5 cable.

With Cat 5 cabling it is possible to connect the camera up to distances of 450 metres from the DVR with negligible degradation to the image quality.

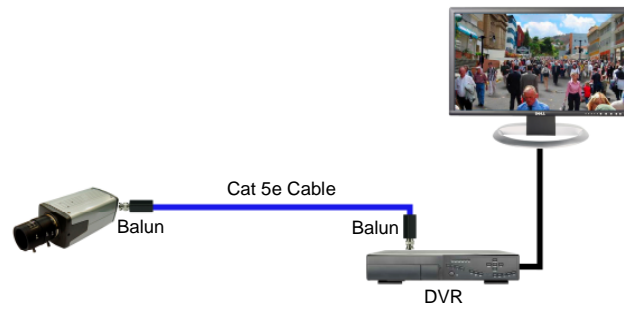
Quick Connect IDC type connectors used for the E10180TC will enable fast and reliable connections for Cat 5 cables

For camera and DVR installations where space is limited it may be necessary to use E10180T slim case long reach video balun instead of the normal type.

This application is shown below.



**Coax Cabling Method**



**Cat 5 Cabling Method**

### 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

#### Specifications:

Bandwidth:	DC to 8MHz
Insertion Loss:	< 2 dB to 8MHz
Impedance:	75 ohm BNC, 100 ohm RJ45
Maximum Signal Voltage:	1.1 Vp-p
Return Loss:	> 15 dB to 8 MHz
Common Mode Rejection:	> 40 dB @ 8 MHz
Temperature Range:	0 to 55 °C operating, -22 to 80°C Storage 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
Grounding:	At one end Recommended

Note: Specifications subject to change without notice.