

### BNC Female Video Balun – Slim

#### 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 Exico'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 400 metres from the DVR with negligible degradation to the image quality.

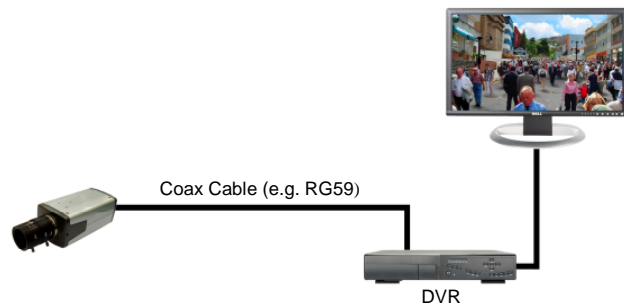
In certain applications E10185R BNC Female Video Baluns are used instead of BNC Male due to restricted access in which case it will be necessary to use BNC-BNC Patch cables to connect the baluns to the camera or DVR. This application is shown below.



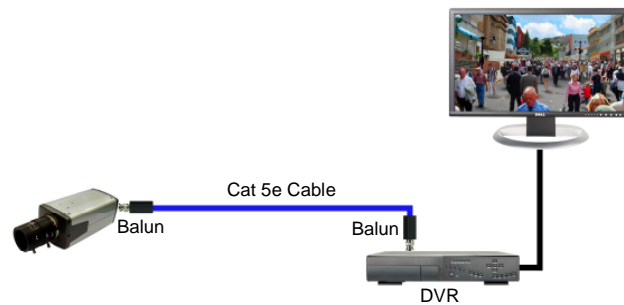
**Video Balun  
BNC Female to RJ45 Slim  
Part Number: E10185R**



**Rear View of E10185R**



**Coax Cabling Method**



**Cat 5 Cabling Method**

## EQL Teleconnect

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#### Specifications:

|                         |  |
|-------------------------|--|
| Bandwidth:              | DC to 8MHz   |
| Insertion Loss:         | < 1.5 dB to 8MHz                                     |
| Impedance:              | 75 ohm Coaxial, 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, 95% Relative Humidity          |
| Casing:                 | Fire Retardant Plastic ABS UL 94V-0                  |
| Maximum Distance:       | Color: Up to 450 m Cat 5e<br>B&W: Up to 600 m Cat 5e |

Note: Specifications subject to change without notice.