

BNC Male Video Balun - Standard

Application Note:



**Video Balun
BNC Male to RJ45
Part Number: E10180S**

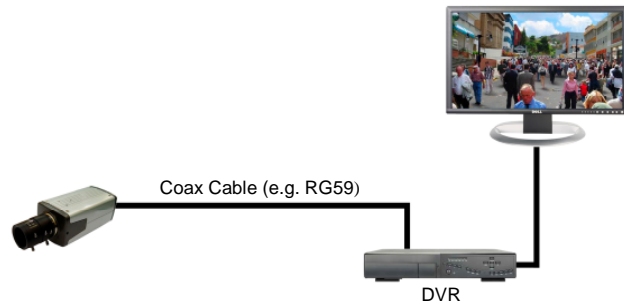


Rear View of RJ45 Jack

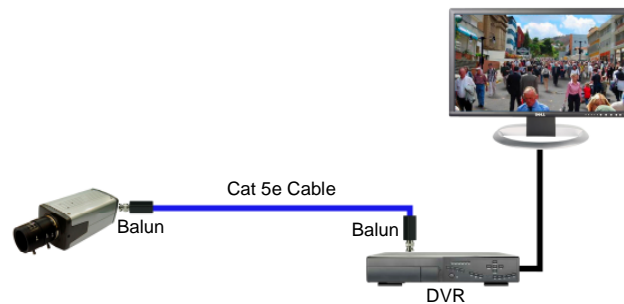
Traditionally, coaxial cables such as RG59 are used for connecting the CCTV camera video to the DVR but now it is possible through use of EQL's Passive Video Balun (Coax to Cat 5 Converter) to replace the more expensive coaxial cable with Cat 5 cable for this purpose. To convert from coaxial cable to 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 400 metres from the DVR with negligible degradation to the image quality.

This application is shown below.



Coax Cabling Method



Cat 5 Cabling Method

EQL Teleconnect

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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
RJ45 Contacts:	Gold, 50 micro inch
RJ45 Pin Out:	Video 4(+), 5(-)
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

Note: Specifications subject to change without notice.