



CCTV BALUN toolless IDC Type



Description:

The CCTV Video Balun allows base-band composite video signals to be transmitted via a single unshielded twisted pair (UTP) cable for more versatile cabling. The CCTV Balun is used in pairs to allow you to eliminate more expensive coaxial cable, including coupling signals from remote video cameras to display systems, video capture, security and surveillance monitoring applications.

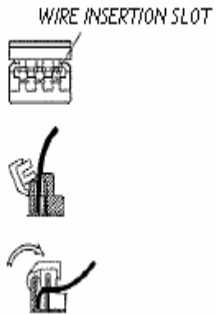
The use of existing twisted pair infrastructure such as telephone cable and cat.5 computer networking cables are also available. All our Baluns are 100% test for reliability and durability to guarantee your signal integrity.

Features:

1. No punch down tool is needed.
2. No power is needed.
3. Cable is held well by cover better than traditional screw type.
4. The Balun is a passive type, it works as a transceiver, can be used for transmitting or receiving signals.

Installation:

1. The balun requires a pair of cores in the Cable to send the video down and there will be a balun at each end of the cable, therefore two baluns are required.
2. Run in your Cable between camera and the rest of your CCTV equipment.
3. Strip the Cable jacket with proper length and identify the various pairs in the Cable.
4. Open the plastic cover each of Balun and IDC connector.
5. Insert the wire into the slot behind the IDC terminal until the wire is held in the slot. When you insert the wire, please shake the wire slightly for easy insertion.
6. Ensure that the wires are right positioned and secure in the IDC slots. For the Balun to work correctly you must use paired cores and observe the correct polarity at both ends.



IDC Connector	UTP Cable
TIP	Solid Color Cable, ex. blue
RING	Two Color/Striped Cable, ex. blue & White
G	No Connection

7. Push down the plastic cover until you hear a “click” to stick the wires and complete the installation.
8. Close the cover of Balun.



Troubleshooting:

No Picture

1. Camera is not working or not feeding power to camera. Please make sure the camera is working normally.
2. Wrong wire colors have been used, please re-check the connection.
3. Polarity incorrect with one balun being wired opposite to the other one, please re-wire.
4. The cable is damaged or there is a short or open circuit on the wire, please replace the wire.

Poor Picture

1. Camera is not working properly. Please make sure the camera is working normally and sending good quality picture.
2. Wrong wire colors have been used, please re-check the connection.
3. Polarity incorrect with one balun being wired opposite to the other one, please re-wire.
4. Cable runs too long. The picture will deteriorate if the Cat 5 cable run too long. 2,300 feet is the maximum distance for a passive balun to be functioned with adjustments to DVR and monitor. However, a maximum distance 650 feet is recommended for using with equipment such as DVRs, multiplexers and quads.

Specification:

Environment	Close-Circuit TV (CCTV) equipment for security and surveillance.
Devices	CCTV cameras, monitors, multiplexers, digital video recorders (DVR) and other CCTV equipment.
Bandwidth	Video DC to 8MHz
Maximum input	1.0Vp-p
Insertion loss	Max. 2dB per pair over the frequency range from DC to 8MHz
Return loss	Greater than 15dB over the frequency range from DC to 8MHz
Common mode rejection	Greater than 40dB at 8MHz
Typical distance	Color: Cat.5 2230ft (680 Meter) Monochrome: Cat.5 2550ft (780 Meter) No qualified cable might decrease the transmission distance.
Cable-UTP	Cat 5 or better, 24 gauge typical Max. capacitance :20pf/ft Attenuation: 6.6dB/1000ft at 1MHz
Cable-Coax	Impedance: 75ohm at 1MHz (RG6) Max. 25ft. of coax allowed per end to end link
Connectors	Toolless IDC, F Male plug
Impedance	75 ohm to 100 ohm (or 75ohm to 120ohm on request)
Temperature	Operating temp. 0 to 55° C Storage temp. -22 to 85° C Humidity up to 95%

Warranty:

Seller warrants that this product is to be free from defect in materials and workmanship, for the life of the product. The warranty given by seller is in lieu of any other warranties, express or implied. This warranty does not apply to units abused through misuse or subjected to improper and/or excessive voltage, beyond our control. Seller assumes no responsibility for damages or penalties incurred resulting from the use of this product. Seller's liability under any warranties shall be discharged by replacing or repairing, at our option, the defective product. Seller's liability for any product shall not exceed a refund of the purchase price. The warranty listed here is intended only as a summary of your full and complete warranty. For a full and complete warranty of this product contact Seller.

Caution:

Do not attempt to open the body, as there are no user-serviceable parts inside Balun. Opening the unit will void your warranty.