

Overview

The CCTV Mini Balun (500023) allows a single CCTV video signal to be transmitted via cost-effective unshielded twisted pair (UTP) cable.

Used in pairs, the CCTV Balun eliminates costly and bulky coaxial cable, allowing CCTV security and surveillance equipment to be connected using standard structured cabling techniques for neater and more streamlined cabling.

The flexible mini coax cable lead allows the product to fit neatly inside CCTV camera back boxes and dome camera enclosures.

The CCTV Balun also works in conjunction with other MuxLab CCTV baluns such as the 500000, 500009 and 500015 for a complete cabling solution.



Features

- Fits inside CCTV dome cameras and back boxes.
- Compatible with other MuxLab CCTV baluns
- Up to 2200 feet (670m) via Cat 5 UTP*
- Cable strain relief
- * Shorter distances may be achieved when used with DVRs.

Specifications	
Environment	Close-Circuit TV (CCTV) equipment for security and surveillance.
Devices	CCTV cameras, digital video recorders (DVR), monitors, switchers, sequencers, multiplexers and other CCTV equipment.
Transmission	Transparent to the user.
Bandwidth	Video: DC to 8 MHz.
Maximum Input	1.1Vp-p
Return Loss	Less than 2 dB per pair over the frequency range from DC to 8 MHz
Return Loss	Greater than 15 dB over the frequency range from DC to 8 MHz
Common Mode Rejection	Greater than 40 dB @ 8 MHz
Max. Distance Colour	Cat 3 –1200 ft (365m); Cat 5 – 2200 ft (670m)* * Shorter distances may be achieved when used with DVRs.
Max. Distance Black & White	Cat 3 –1500 ft (457m); Cat 5 – 2500 ft (762m)
Cable – UTP	24 gauge or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
Cable – BNC	Impedance: 75 ohms at 1 MHz (RG59/U mini coax). Maximum 25 ft. of coax allowed per end to end link.
Connectors <i>Reverse polarity sensitive</i>	Two (2) screw terminals for twisted pair BNC-M for coax
Impedance	Input: 75 ohms (BNC) Output: 100 ohms (screw terminals)
Temperature	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95%
Enclosure	ABS fire retardant plastic
Dimensions	2.30" (5.8 cm) x 0.62" (1.6 cm) x 0.62" (1.6 cm) plus 8" (20.3 cm) mini coax lead
Weight	1.0 oz (28 gms)
Warranty	Lifetime
Order Information	500023 CCTV Mini Balun 500023-2PK CCTV Mini Balun, Retail 2-Pack

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Typical Application

