

CZ LABS PRODUCT DATASHEET

VB-10 Passive Balun

Product photo



OVERVIEW

“BALUN” is the short form for “Balance-Unbalance”. It is the solution to achieve longer and better signal transmission. The Active Balun transmits and receives video low-cost unshielded twisted pair (UTP) cable. It is easy to connect, CCTV security and Surveillance equipment by using standard structured cabling techniques.

Main Features

- Transmission distance up to 2450 feet (750m) via Cat5 UTP
- Immunity to noise and interference
- Passive device
- Compact design

Technical Specification

Model	VB-10
Environment	Close-Circuit TV (CCTV) equipment for security and surveillance
Devices	CCTV cameras, monitors, switchers, sequencers, multiplexers, digital video recorders (DVR) and other CCTV equipment.
Transmission	Transparent to the user.
Bandwidth	Video: DC to 8 MHz.
Maximum Input	1.1 Vp-p
Insertion 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 8MHz

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Common Mode Rejection	Greater than 40 dB @ 8 MHz
Max. Distance for Color Video	400 meters
Max. Distance for B&W Video	600 meters
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). Maximum 25 ft. of coax allowed per end-to-end link.
Connectors	BNC Male to Quick Connect Terminals
Impedance	Input: 75 ohms (BNC) Output: 100 ohms (RJ45)
Temperature	Operating: 0 to 55 °C. Storage: -20 to 85 °C. Humidity: up to 95%
Dimensions	34mmx27mmx20mm

Product specifications are subject to change without notice

CONNECTION
