

Quad Video Balun Extender

Operating Instructions

Overview

The Quad Video Balun allows up to four composite video signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. Used in pairs, the Quad Video Balun allowing video equipment to be connected via space-efficient and cost-effective Category 5/6 twisted pair cable. The Quad Video Balun supports NTSC, PAL, SECAM video formats for classroom video, commercial and Home video systems, hospital video training, video conferencing, podium presentation Systems and video kiosks applications and so on.

Applications

Security video, classroom video, commercial and home audio/video systems, hospital video training, video conferencing, podium presentation systems and video kiosks.

Features & Benefits

supports NTSC, PAL, SECAM video

Composite video up to 2,200 ft (670m) via Cat5e/6

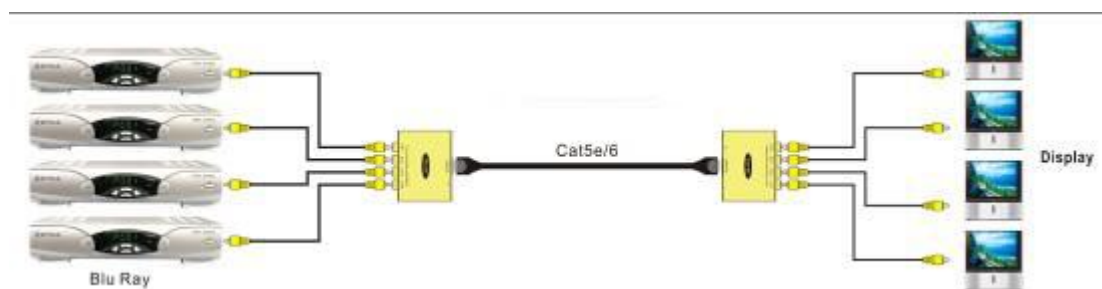
Cost-efficient cabling

Quicker moves, adds and changes

Quick Setup Guide:

Plug the RCA connectors of the transmit Balun into the Video outputs of the source component you wish to transmit. Plug the Video connectors from the receive Balun into your desired input component. Insert the CAT5 cable into both ends of the Baluns. You may use standard EIA 568A/B termination.

Typical Application



Specifications:

Environment	Composite video. NTSC, PAL, SECAM.
Devices	DVD players, cable boxes, video distribution amplifiers, security video cameras, digital video recorders and other composite video equipment.
Transmission	Transparent to the user.
Bandwidth	0-6 MHz, 3 dB roll off
Maximum Input	1.1Vp-p
Impedance	75 ohms

Insertion Loss	Less than 3 dB per pair over the frequency range from DC to 6 MHz
Return Loss	Greater than 15 dB over the frequency range from DC to 6 MHz
Common Mode Rejection Ratio	Greater than 40 dB over the frequency range
Max. Distance Color via Cat 5E/6 UTP/STP Cable	2,200 ft (670 m)
Pin Configuration (RJ45)	Video 1: Pins 7 (R) & 8 (T) Video 2: Pins 3 (R) & 6 (T) Video 3: Pins 4 (R) & 5 (T) Video 4: Pins 1 (R) & 2 (T)
Cable: Cat 5E/6 UTP/STP	24 AWG or lower solid copper twisted pair wire Impedance: 100 ohms at 1 MHz Maximum capacitance: 20 pf/ft Attenuation: 6.6 dB/1,000 ft at 1 MHz
Connectors	Four RCA-F connectors for Composite video RJ45 for twisted pair
Temperature	Operating: 0° to 55°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Aluminum alloy
Dimensions(packaging)	155mm*80mm*30mm (including one pair of Balun)
Weight(packaging)	240g

NOTE: Baluns are interchangeable for transmit or receive functions.