

Overview

The Quad Video Balun allows up to four (4) 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 eliminates up to four (4) coaxial cables, allowing video equipment to be connected via space-efficient and cost-effective Category 5/6 twisted pair cable.

The Quad Video Balun is available with RCA (500032) or BNC (500037) connectors and works in conjunction with other MuxLab composite video baluns such as the 500000, 500009 and 500021.

Applications

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



Features & Benefits

- Cost-efficient—replace up to four (4) coax cables
- Composite video up to 2,200 ft (670m) via Cat5e/6
- Component video up to 1,000 ft (305m) via Cat5e/6
- Compact design for neater wiring

Specifications	
Environment	Composite video. NTSC, PAL, SECAM. Component video (480i/p)
Devices	DVD players, cable boxes, video distribution amplifiers, security video cameras, digital video recorders and other composite video equipment.
Transmission	Transparent to the user.
3dB bandwidth	Video: DC to 8 MHz.
Maximum Video Input	1.1Vp-p
Insertion Loss	Less than 3 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 over the frequency range
Max. Distance – Cat5 UTP	Composite video: 2,200 ft. Less distance may result with DVR equipment Component video (YPbPr): 1,000 ft (305 m) (480i/p only).
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 - Coax	75-ohm coaxial cable
Connectors	500032: Four (4) RCA-receptacle for video 500037: Four (4) BNC receptacle for video One (1) RJ45 jack
Pin Configuration	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)
Impedance	Video: 75 ohms (RCA) unbalanced.
Temperature	Operating: 0 to 55 C. Storage: -20 to 85 C. Humidity: up to 95%
Enclosure	Fire retardant plastic
Dimensions	2.40" x 2.25" x 1.00" (6.1 x 5.7 x 2.54 cm)
Weight	2.1 oz (61 gms)
Warranty	Lifetime
Order Information	500032 Quad Video Balun, RCA 500037 Quad Video Balun, BNC

MuxLab Inc.

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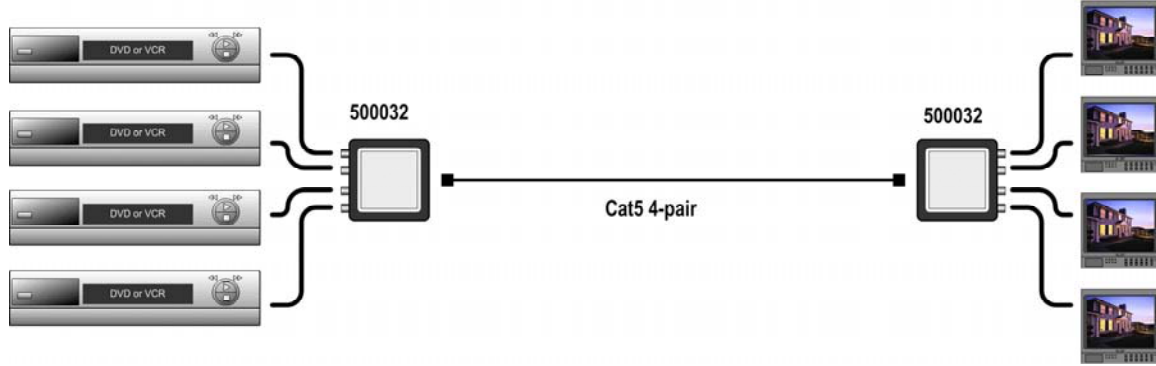
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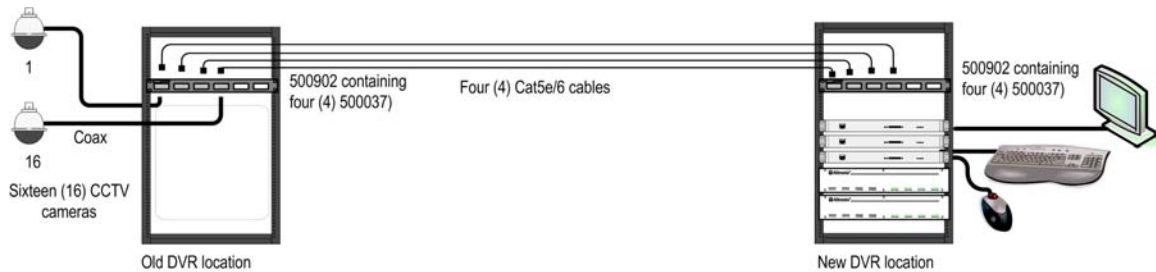
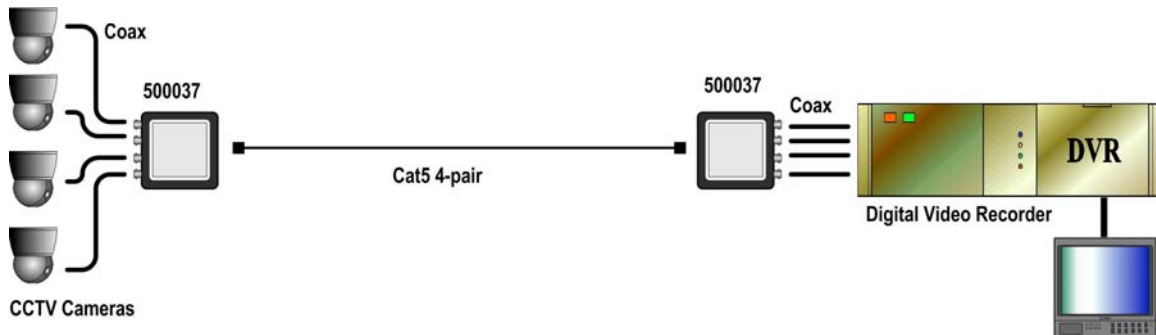
Quad Video Balun, RCA (500032) Quad Video Balun, BNC (500037)

Typical Applications

Audio-Video



Security Video



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