

**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**

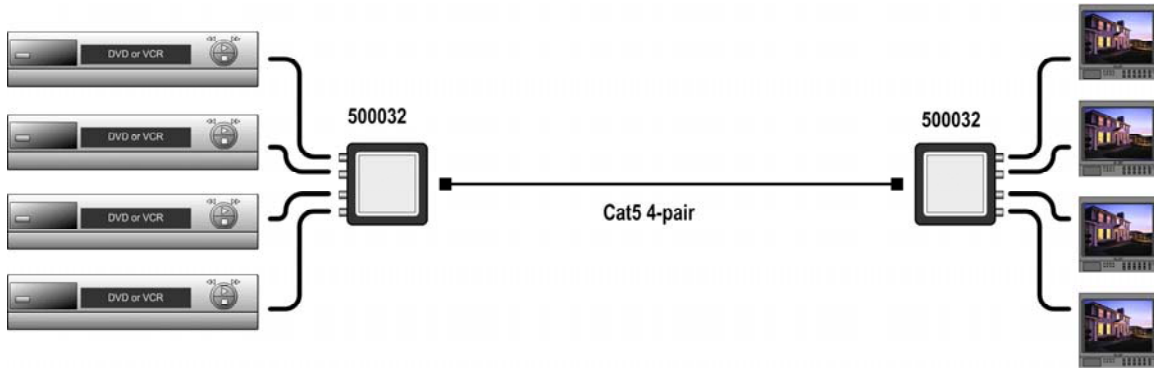
- Cost-efficient—replace up to four (4) coax cables
- Composite video up to 2,200 ft (670m) via Cat5e/6
- Component video up to 1,000 ft (305m) via Cat5e/6
- Compact design for neater wiring

Specifications	
<b>Environment</b>	Composite video. NTSC, PAL, SECAM. Component video (480i/p)
<b>Devices</b>	DVD players, cable boxes, video distribution amplifiers, security video cameras, digital video recorders and other composite video equipment.
<b>Transmission</b>	Transparent to the user.
<b>3dB bandwidth</b>	Video: DC to 8 MHz.
<b>Maximum Video Input</b>	1.1Vp-p
<b>Insertion Loss</b>	Less than 3 dB per pair over the frequency range from DC to 8 MHz
<b>Return Loss</b>	Greater than 15 dB over the frequency range from DC to 8 MHz
<b>Common Mode Rejection</b>	Greater than 40 dB over the frequency range
<b>Max. Distance – Cat5 UTP</b>	Composite video: 2,200 ft. Less distance may result with DVR equipment Component video (YPbPr): 1,000 ft (305 m) (480i/p only).
<b>Cable – UTP</b>	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
<b>Cable - Coax</b>	75-ohm coaxial cable
<b>Connectors</b>	500032: Four (4) RCA-receptacle for video 500037: Four (4) BNC receptacle for video One (1) RJ45 jack
<b>Pin Configuration</b>	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)
<b>Impedance</b>	Video: 75 ohms (RCA) unbalanced.
<b>Temperature</b>	Operating: 0 to 55 C. Storage:-20 to 85 C. Humidity: up to 95%
<b>Enclosure</b>	Fire retardant plastic
<b>Dimensions</b>	2.40" x 2.25" x 1.00" (6.1 x 5.7 x 2.54 cm)
<b>Weight</b>	2.1 oz (61 gms)
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500032 Quad Video Balun, RCA 500037 Quad Video Balun, BNC

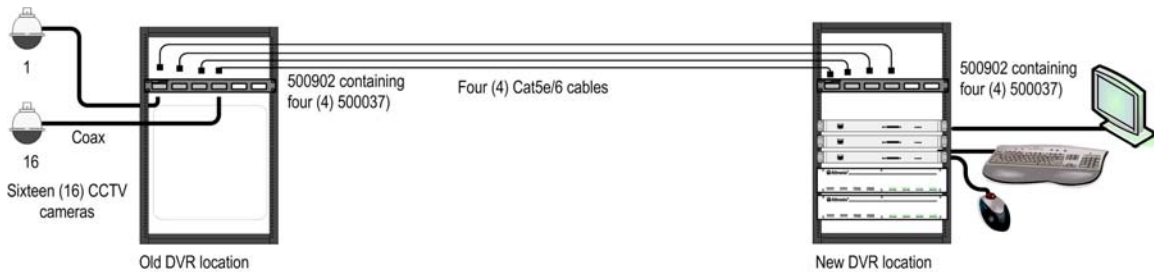
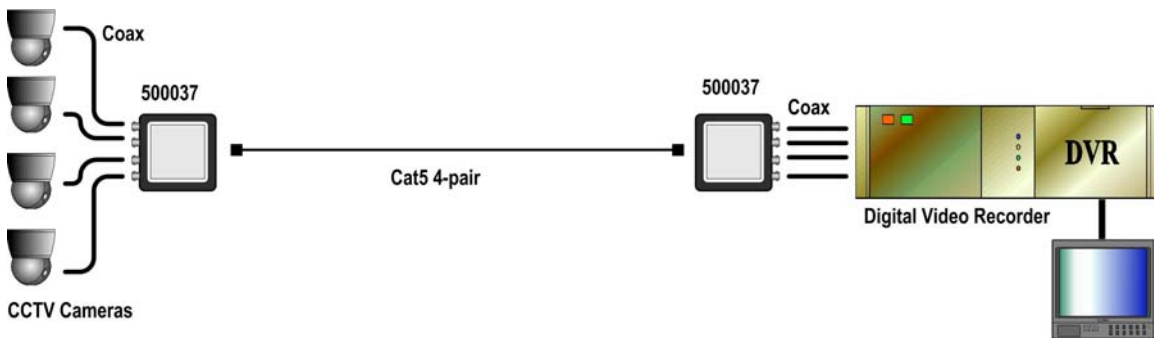
# Quad Video Balun, RCA (500032) Quad Video Balun, BNC (500037)

## Typical Applications

### Audio-Video



### Security Video



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