

### Overview

The Dual S-Video Balun allows up to two (2) S-Video signals to be transmitted via unshielded twisted pair (UTP) cable up to 1,000 ft (305m) in a point-to-point connection.

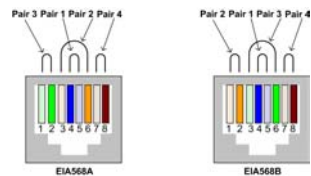
The Dual S-Video Balun fully utilizes the Cat5/6 cable and works in conjunction with MuxLab rack, wall and surface mounting accessories for more cost efficient cabling.

Applications include; classroom video training, commercial and residential AV systems, medical/dental video monitoring, security and surveillance cameras.



### Features & Benefits

- Optimize use of Cat5e/6 cable
- Up to 1,000 feet (305m) via Cat5e/6 UTP
- Greater distance than S-Video cable
- Lifetime warranty

Specifications	
<b>Environment</b>	S-Video equipment
<b>Devices</b>	DVD players, VCR, satellite receivers, MPEG players, laptops, notebooks, monitors, LCD projectors, CCD cameras, video switchers, sequencers, digital video servers, video multiplexers, S-Video splitters, S-Video converters and other S-Video equipment.
<b>Transmission</b>	Transparent to the user.
<b>Bandwidth</b>	DC to 6 MHz
<b>Impedance</b>	75 ohms
<b>Maximum Input</b>	1.1Vp-p
<b>Insertion Loss</b>	Less than 2 dB per pair over the frequency range from DC to 6 MHz
<b>Return Loss</b>	Better than 15 dB over the frequency range
<b>Common Mode Rejection</b>	Greater than 40 dB over the frequency range
<b>Max. Distance – Cat5e/6 UTP</b>	1,000 ft. (305m)
<b>Pin Configuration (RJ45)</b> EIA 568 A or B	<p>S-Video Luma1: pins 1[R] &amp; 2 [T] S-Video Chroma1: pins 3[R] &amp; 6 [T]</p> <p>S-Video Luma2: pins 7[R] &amp; 8 [T] S-Video Chroma2: pins 4[R] &amp; 5 [T]</p> <p><i>Reverse Polarity Sensitive</i></p> 
<b>Cable – UTP</b>	24AWG 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>Connectors</b>	Two (2) 4-pin Mini DIN jacks for S-Video One (1) RJ45 for Cat5/6 UTP cable.
<b>Temperature</b>	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95%
<b>Enclosure</b>	Fire retardant plastic, UL94-V0
<b>Dimensions</b>	2.40" x 2.25" x 1.00" (6.1 cm x 5.7 cm x 2.54 cm)
<b>Weight</b>	1.8 oz (51 gms)
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500013 Dual S-Video Balun

---

**Typical Application**