

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

Typical Application

