

Overview

The VideoEase S-Video/Hi-Fi Balun allows a single S-Video signal to be transmitted via unshielded twisted pair (UTP) cable up to 1000 ft (305m) in a point-to-point connection.

The S-Video/Hi-Fi Balun features full audio bandwidth response for high fidelity applications and features built-in color-coded cable leads for ease of installation.

The S-Video/Hi-Fi Balun also works in conjunction with MuxLab's Audio-Video Distribution Hub (p/n 500200) to allow S-Video programming to be distributed via UTP. Some of the applications are; classroom video distribution, commercial and home audio/video systems, hospital video training, video conferencing, and video kiosks.



Features & Benefits

- Up to 1,000 feet (305m) via Cat 5 UTP
- 20 Hz to 20 kHz audio bandwidth
- Built-in color-coded cable leads
- Compact design for neater wiring
- 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.

	S-Video	Audio
Bandwidth	DC to 6 MHz	20 Hz to 20 KHz
Impedance	75 ohms	600 ohms min.
Maximum Input	1.1Vp-p	1.1Vp-p
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 6 MHz	Less than 2 dB per pair over the frequency range.
Return Loss	Better than 15 dB over the frequency range	N/A
Common Mode Rejection	Greater than 40 dB over the frequency range	Greater than 60 dB @ 1 KHz Greater than 40 dB over the frequency and distance range
Max. Distance – Cat 5 UTP	1,000 ft. (305m)	3,250 ft (990m)
Pin Configuration (RJ45) EIA 568 A or B	S-Video Luma: pins 7[R] & 8 [T] S-Video Chroma: pins 4[R] & 5 [T] <i>Reverse Polarity Sensitive</i>	Audio 1: pins 1[R] & 2 [T] Audio 2: pins 3 [R] & 6 [T]
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	One (1) 4-pin Mini DIN jack for S-Video Two (2) RCA audio jacks for stereo audio One (1) RJ45 for Cat5	
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 cm x 5.7 cm x 2.54 cm)	
Weight	3.1 oz (89 gms)	
Warranty	Lifetime	
Order Information	500038	VideoEase S-Video/Hi-Fi Balun, Female

Typical Applications

