

Overview

The VideoEase S-Video 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 product is available in two models; the S-Video Balun (500016) and the S-Video/Audio Balun (500017). Used in pairs, the S-Video Balun eliminates costly and bulky S-Video cable, allowing S-Video equipment to be connected or moved to any convenient modular outlet.

The S-Video Balun also works in conjunction with MuxLab's Audio-Video Distribution Hub (p/n500200) 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

- More cost-effective cabling
- Eliminate S-Video patch cables
- Up to 1000 feet (305m) via Cat 5 UTP
- Quicker moves, adds and changes
- Greater distance than S-Video cable
- Compact design for neater wiring
- Lifetime warranty

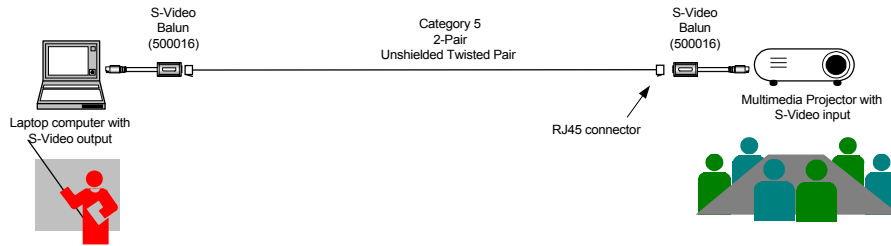
Specifications	
Environment	S-Video equipment
Devices	DVD players, VCR, satellite receivers, MPEG players, laptops, notebooks, monitors, LCD projectors, CCD cameras, video switchers, sequencers, digital video servers, video multiplexers, S-Video splitters, S-Video converters and other S-Video equipment.
Transmission	Transparent to the user.

	S-Video	Audio
Bandwidth	DC to 6 MHz	600 ohms:73 Hz to 156 KHz;@1,000 ft 1.2Kohms:128 Hz to 91 KHz;@1,000 ft
Impedance	75 ohms	600 ohms min.
Max. Input	1.1Vp-p	1.1Vp-p
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 6 MHz	600 ohms: < 3dB per pair; 1.2 Kohms: <1.9 dB per pair
Return Loss	Better than 15 dB over the frequency range	N/A
Common Mode Rejection	Greater than 40 dB over the frequency range	N/A
Max. Distance – Cat 5 UTP	1,000 ft. (305m)	5,000 ft (1525m)
Pin Configuration (RJ45)	S-Video Luma: pins 7&8 S-Video Chroma: pins 4&5 <i>Reverse Polarity Sensitive</i>	Audio 1: pins 1&2 Audio 2: pins 3&6

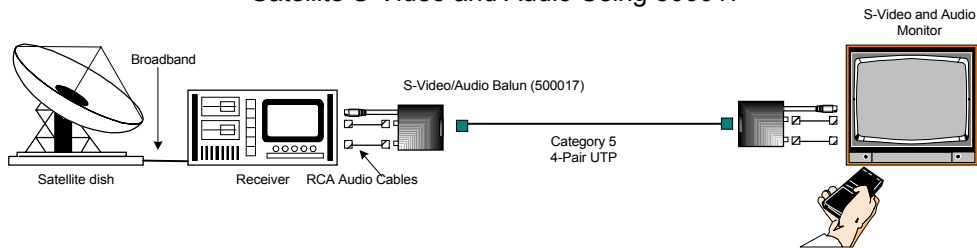
Cable – UTP	24AWG or lower solid copper twisted pair wire Impedance: 100 ohms at 1 MHz; Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
Connectors	500016: One (1) 4-pin Mini DIN and one (1) RJ45 500017: One (1) 4-pin Mini DIN, two (2) RCA audio jacks and one (1) RJ45 Up to 12 feet of audio cable (not included) may be used with the 500017.
Temperature	Operating: 0 to 55 C. Storage:-20 to 85 C. Humidity: up to 95%
Enclosure	Fire retardant plastic
Dimensions	500016: 1.875" x 1.0" diameter plus 5" S-Video lead 500017: 2.40" x 2.25" x 1.00" plus 5" S-Video lead
Warranty	Lifetime
Order Information	500016 VideoEase S-Video Balun 500017 VideoEase S-Video/Audio Balun

Typical Applications

S-Video Projection Using 500016



Satellite S-Video and Audio Using 500017



S-Video and Audio Distribution Using 500200 and 500017

