

Overview

The S-Video/Audio ProAV Balun (500017-Pro) allows one (1) S-Video channel and one (1) stereo audio channel to be transmitted via unshielded twisted pair (UTP) cable up to 1000 ft (305m) in a point-to-point connection. The S-Video/Audio ProAV Balun features a robust metal enclosure, Ethercon RJ45 and heavy-duty, built-in cable leads for the more demanding professional audio-video environment. The S-Video/Audio ProAV Balun is compatible with the 500017, 500038 and 500038-WP for more versatile cabling.

Applications

Rental & staging, video production, venues, podium systems, HD camcorders.



Features & Benefits

- Rugged metal enclosure
- Robust Ethercon RJ45
- Heavy-duty built-in 12" cable harness
- Up to 1,000 feet (305m) via Cat5e/6 UTP
- 20 Hz to 20 kHz audio bandwidth
- Compatible with 500017, 500038, 500038-WP

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 – Cat5e/6 UTP	1,000 ft. (305m)	3,250 ft (990m)
Pin Configuration (RJ45) <i>EIA 568 A or B</i>	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 S-Video 12" cable lead Two (2) RCA audio jacks for stereo audio One (1) Ethercon RJ45 for Cat5e	
Temperature	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95%	
Enclosure	Cast aluminium	
Dimensions	2.75" x 2.64" x 1.975" (6.99cm x 6.71cm x 5.02cm) plus 12" (30.48 cm) cable lead	
Weight	.542lb (245.85g)	
Warranty	Lifetime	
Order Information	500017-Pro S-Video/Audio ProAV Balun	

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Typical Applications