

Overview

The Stereo Hi-Fi/Video Balun (500039) allows a single composite video signal to be transmitted via unshielded twisted pair (UTP) cable up to 2,200 ft (670m) in a point-to-point connection. The Stereo Hi-Fi/Video Balun features full audio bandwidth response for high fidelity applications and features built-in color-coded cable leads for ease of installation.

The Stereo Hi-Fi/Video Balun also works in conjunction with MuxLab's Audio-Video Distribution Hub (p/n 500200) to allow composite 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 2,200 feet (670m) via Cat5E/6 UTP
- 20 Hz to 20 kHz audio bandwidth
- Built-in color-coded cable leads
- Compact design for neater wiring
- Lifetime warranty

Specifications	
Environment	Composite video (NTSC, PAL, SECAM) equipment
Devices	DVD players, VCR, satellite receivers, MPEG players, laptops, notebooks, monitors, DLP projectors, CCD cameras, video switchers, sequencers, digital video servers, video multiplexers, video splitters, video converters and other composite video equipment.
Transmission	Transparent to the user.

	Composite Video	Audio
Bandwidth	DC to 6 MHz	20 Hz to 20 KHz over the distance range
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	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	N/A
Max. Distance – Cat5E/6 UTP	2,200 ft. (670m)	3,250 ft (990m)
Pin Configuration (RJ45)	Video (Yellow): pins 7[R] & 8 [T] <i>Reverse Polarity Sensitive</i>	Audio 1 (White): pins 1[R] & 2 [T] Audio 2 (Red): 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) RCA-M for video (yellow) Two (2) RCA-M for stereo audio (red, white) One (1) RJ45 for Cat5E/6	
Temperature	Operating: 0° to 55° C. Storage:-20° to 85° C. Humidity: up to 95% non-cond.	
Enclosure	Fire retardant plastic	
Dimensions	2.40" x 2.25" x 1.00" (6.1 x 5.7 x 2.54 cm) plus 6" (15.24cm) cable leads for video and stereo audio	
Weight	3.1 oz (89 gms)	
Warranty	Lifetime	
Order Information	500039 VideoEase Stereo Hi-Fi/Video Balun	

Typical Applications

