



Overview

The VideoEase Audio-Video Hub allows up to two (2) baseband composite or one (1) S-Video signal and up to two (2) audio signals to be distributed to up to eight (8) destinations via twisted pair (UTP) cable for more cost-effective and versatile cabling.

The Audio-Video Hub when used in conjunction with MuxLab's line of VideoEase baluns, allows coaxial cable to be eliminated between the audio-video source and the destinations. The product works with the CCTV Baluns (500000, 500009), Stereo Audio-Video Balun (500001), Dual Audio-Video Balun (500012) and S-Video Baluns (500016, 500017).

A looping output allows the source input to be distributed to other baseband audio/video equipment including matrix switchers, multiplexers, VCRs and monitors.



Applications

Classroom audio/video instruction
Corporate audio/video presentations
Tradeshaw demonstration systems
CCTV security and surveillance

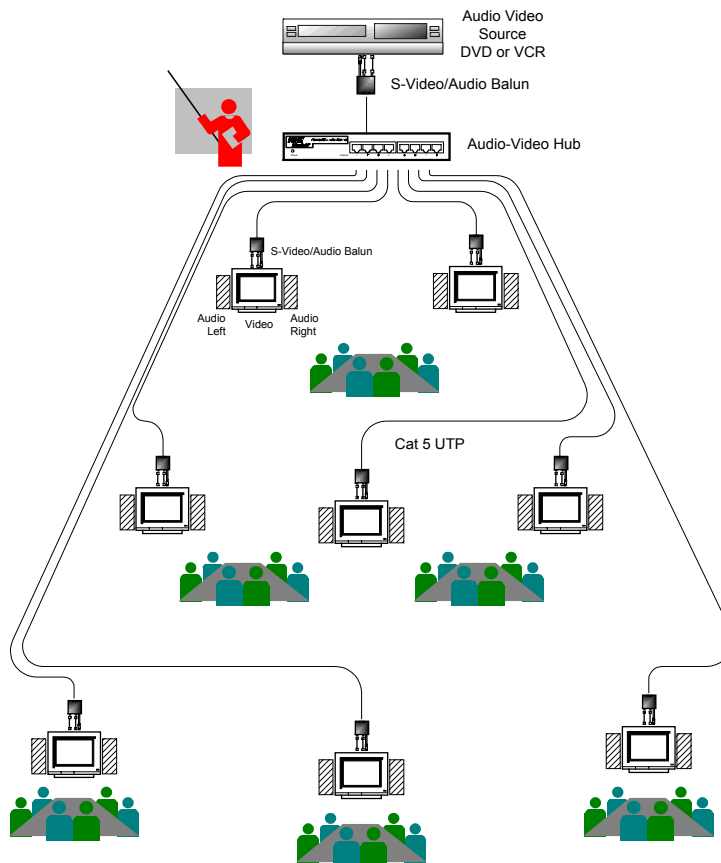
Benefits

Distribute audio-video to multiple locations via UTP
Eliminates costly and bulky coax cable
Centralised cabling for greater control
Quicker moves, adds and changes

Features

Supports NTSC and PAL
Up to 2200 ft in color via Cat 5 twisted pair cable.
Supports up to 2 video and 2 audio channels
Integrates seamlessly with MuxLab VideoEase baluns
Looping output to other hubs or audio-video equipment.
2-year warranty.

Typical Application



Specifications	
Environment	Composite baseband audio-video (NTSC, PAL), S-Video, CCTV.
Devices	DVD, VCR, DVR, audio-video matrix switchers, digital video players (MPEG), sequencers, multiplexers, video-conferencing, CCTV cameras, CCTV monitors and other analogue baseband audio-video equipment.
Transmission	Transparent to the user.
Source Impedance Req'ts	Video OUT: 75 ohms Audio OUT: 600 ohms max
Destination Impedance Req.	Video IN: 75 ohms Audio IN: 600 ohms min.
Hub Impedance	Video IN: 100 ohm balanced Audio IN: 10 kohms min. balanced Video OUT: 100 ohms balanced Audio OUT: 600 ohm balanced
3 dB Bandwidth	Video: DC to 8 MHz. Audio: 50 Hz to 16 kHz
Max. Differential Input	Video: 0.55 Vp-p Audio: .50 Vp-p
Max. Differential Output	Video: 0.55 Vp-p Audio: .50 Vp-p
Insertion Loss (differential)	Video: 0 dB max. @ 4 MHz Audio: 1 dB max. @ 1 kHz
Video Return Loss	24 dB minimum
Common Mode Rejection Input: balanced. Output: unbalanced	Video: Greater than 40 dB over the frequency range. Audio: Greater than 60 dB over the frequency range.
Crosstalk Immunity	60 dB minimum over the frequency range
Max. Distance via Cat 5 Twisted Pair (UTP) *	Composite Video Color: 2200 ft (670m) * Composite Video B&W: 2500 ft (762m) * S-Video: 1000 ft (305m) * <i>*Measured between Source (ie;DVD) and Destination (ie;Monitor) with Hub placed anywhere between the source and destination</i>
Cable – UTP	24 gauge or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz. Cat 3 or better.
Connectors	Source Input: One (1) RJ45 on rear panel Looping Output: One (1) RJ45 on rear panel Distribution Outputs: Eight (8) RJ45 on front panel
RJ45 Pin Configuration <i>Reverse Polarity Sensitive</i>	Video 1: Ring 7 Tip 8 Audio 1: Ring 1 Tip 2 Video 2: Ring 4 Tip 5 Audio 2: Ring 3 Tip 6
Compatible Baluns	500000, 500009, 500001, 500012, 500016, 500017, 500019, 500021
Diagnostics	Power LED – green
Power Supply	External AC: 110V and 220/240V DC: +/- 12VDC, 5W total max.
Power Supply Connector	5-pin DIN; pin 1 GND, pin 2 GND, pin 4 -12V, pin 5 +12V.
Temperature	Operating: 0 to 55 C. Storage:-20 to 85 C. Humidity: up to 95%
Dimensions	8.5" x 4" x 1.3"
Compliance	FCC, CE-EMC Directive 89/336/EEC
Warranty	2 years
Order Information	500200 VideoEase Audio-Video Hub, 110V 500201 VideoEase Audio-Video Hub, 220/240V

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