

Overview

The Audio-Video Hub allows up to two (2) composite or one (1) S-Video signal and up to two (2) line level analog audio signals to be distributed to up to eight (8) destinations via Cat5/6 cable for more cost-efficient cabling.

The hub may be cascaded to support up to seventy-two (72) displays and works with all MuxLab baluns that support composite video, S-Video and analog audio such as the 500000, 500001, 500012, 500016 and 500017. Applications include boardroom systems, classroom training, digital signage.



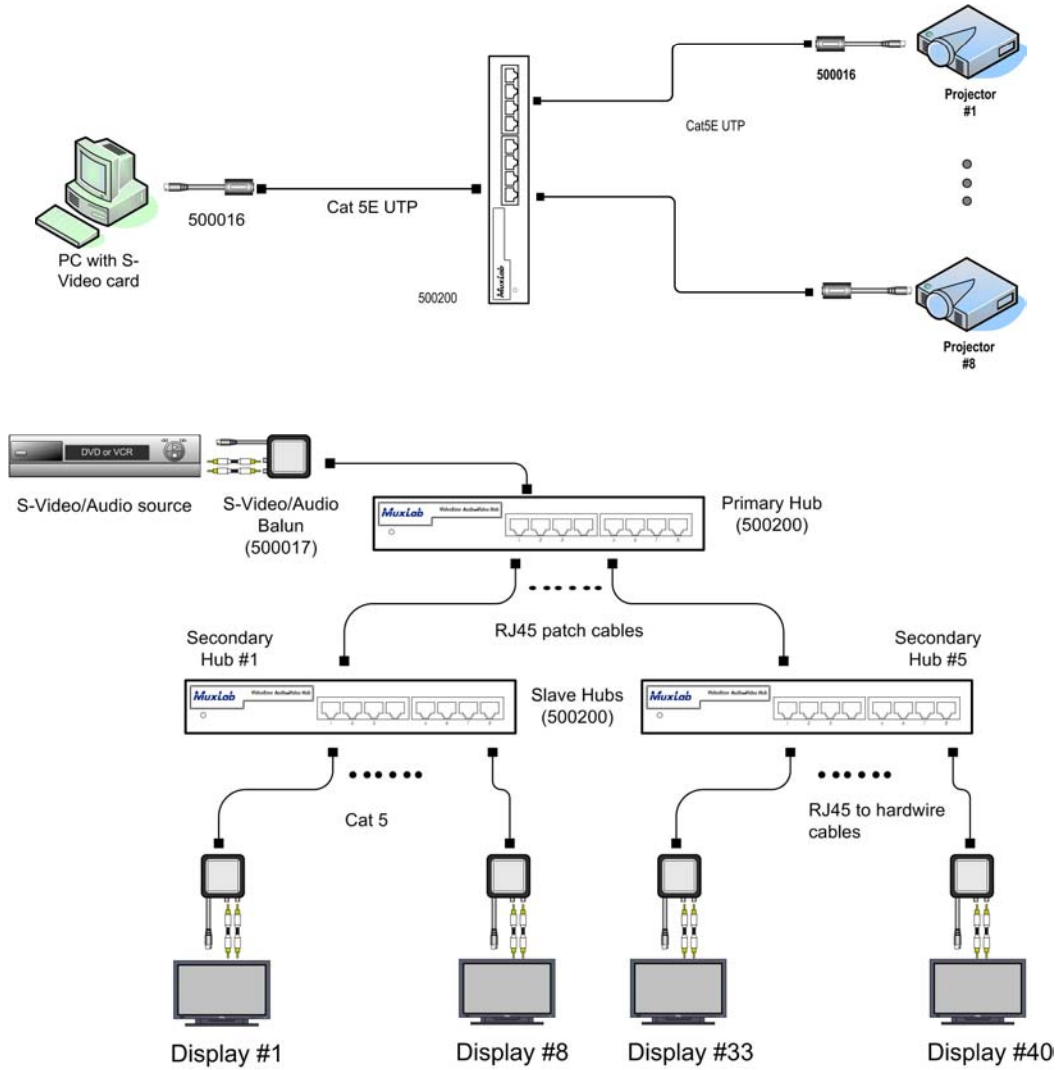
Features

- Supports NTSC and PAL
- Up to 2200 ft (670m) in color via Cat 5/6 cable
- Supports up to two (2) video and two (2) audio channels
- Integrates seamlessly with MuxLab VideoEase baluns
- Cascade up to two (2) levels to other hubs
- 2-year warranty.

Specifications	
Environment	Composite video (NTSC, PAL), S-Video, line level analog audio
Devices	DVD, cable boxes, PC video servers, matrix switchers, monitors, projectors, plasmas, LCD displays and other composite video and analog audio 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 5/6 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 (i.e; DVD) and Destination (i.e; 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 Cascade 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, 500001, 500009, 500012, 500016, 500017, 500019, 500021, 500027, 500027, 500038, 500039
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" (21.6 x 10.2 x 3.3 cm)
Weight	2.1 lbs (.95 kgs)
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

VideoEase Audio-Video Hub 500200, 500201

Typical Application



Distribute	Compatible Baluns					
	500000, 500009 500021	500001 500039	500012	500016	500017 500038	500027 500028
Composite Video Only	*					
Composite Video & Audio		*	*			
S-Video Only				*		
S-Video & Audio					*	
Stereo Audio Only						*