

Overview

The VideoEase CCTV-Audio/Video Hub allows up to two (2) baseband composite or one (1) S-video signals 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 CCTV-Audio/Video Hub when used in conjunction with NHC's line of VideoEase baluns, allows coaxial cable to be eliminated between the CCTV-A/V source and the destinations. For example, the product works with the VideoEase CCTV Balun (500000, 500009), VideoEase Stereo Audio/Video Balun (500001) and VideoEase 2-Way Audio/Video Balun (500012).

The CCTV-Audio/Video Hub allows CCTV and A/V signals to be distributed to multiple locations via standard twisted pair cabling instead of costly coaxial cable.

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



Applications

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

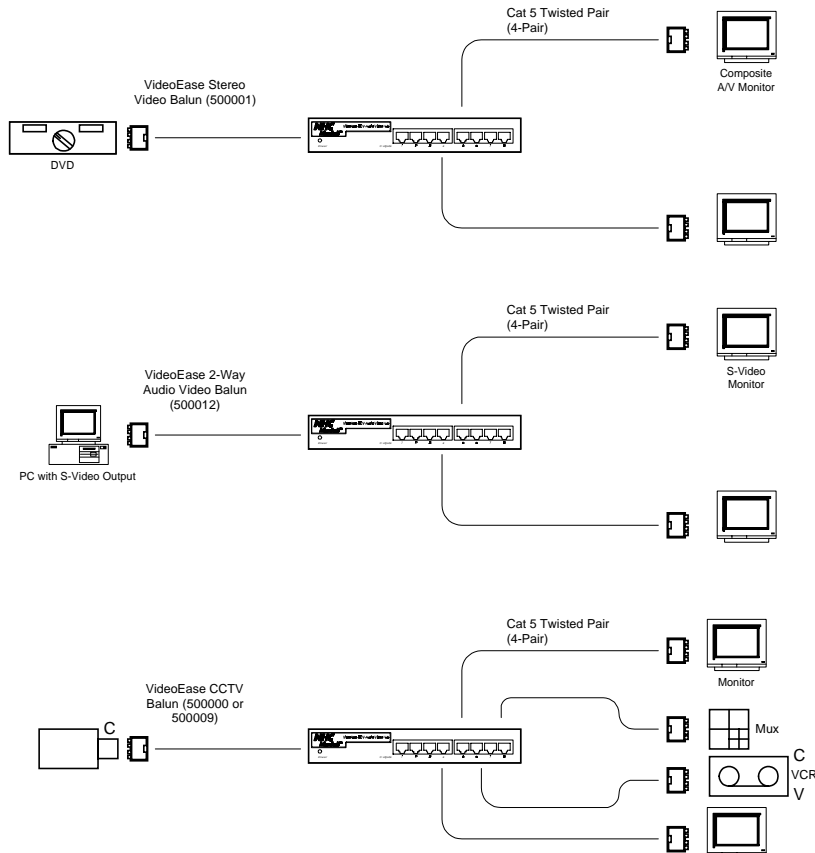
Benefits

Distribute CCTV and A/V 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 2500 feet between the source and destination.
Supports up to 2 video and 2 audio channels
Integrates seamlessly with NHC VideoEase baluns
Looping output to other hubs or A/V equipment.
2-year warranty.

Typical Application



VideoEase CCTV-Audio/Video Hub

8-Port Twisted Pair Distribution Hub for CCTV and Audio/Video

Specifications				
Environment	Close-Circuit TV (CCTV) equipment for security and surveillance; composite baseband audio/video (ie; NTSC, PAL), S-Video.			
Devices	CCTV cameras, CCTV monitors, video switchers, video sequencers, multiplexers and other CCTV equipment. VCR, DVD, video-conferencing and other 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 Video OUT: 100 ohms balanced		Audio IN: 10 kohms min. balanced Audio OUT: 600 ohm balanced	
3 dB Bandwidth	Video: DC to 8 MHz.		Audio: 50 Hz to 16 kHz	
Maximum Differential Input	Video: 0.55 Vp-p		Audio: .50 Vp-p	
Maximum 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 Twisted Pair (UTP) – Composite Color Video Signal	Cable	Source to Hub	Hub to Destination	Source to Destination
	Cat 3	500'	1200'	1200'
	Cat 5	800'	2200'	2200'
Max. Distance via Twisted Pair (UTP) – Composite Black & White Video Signal	Cable	Source to Hub	Hub to Destination	Source to Destination
	Cat 3	600'	1500'	1500'
	Cat 5	1000'	2500'	2500'
Max. Distance via Twisted Pair (UTP) – Component Color Video Signal	Cable	Source to Hub	Hub to Destination	Source to Destination
	Cat 3	100'	330'	330'
	Cat 5	200'	500'	500'
Cable – UTP	24 gauge or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz. Cat 3 or better.			
Connectors	Source Input: Looping Output: Distribution Outputs:		One (1) RJ45 on rear panel One (1) RJ45 on rear panel Eight (8) RJ45 on front panel	
RJ45 Pin Configuration <i>Reverse Polarity Sensitive</i>	Video 1: Ring 7 Tip 8 Video 2: Ring 4 Tip 5		Audio 1: Ring 1 Tip 2 Audio 2: Ring 3 Tip 6	
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 CCTV-A/V 8-Port Active Hub, 110V 500201 VideoEase CCTV-A/V 8-Port Active Hub, 220/240V			



Head Office
5450 Cote-de-Liesse, Mount Royal, Quebec, H4P 1A5
Tel: (514) 735 2741 Fax: (514) 735 8057
Toll Free: 1 800 361-1965 Internet: www.nhc.com

European Office
France (Paris) Tel: +1 (33) 1.41.99.99.20
Fax: +1 (33) 1.41.99.99.21