

HDTV AUDIO/VIDEO SPLITTER/EXTENDER VIA CAT5

Play the same image and audio on multiple HDTV displays and speakers up to 600 feet away

VOPEX®



VOPEX-C5HDTV-16 (Front & Back) and ST-C5HDTV-R-600 Remote Unit

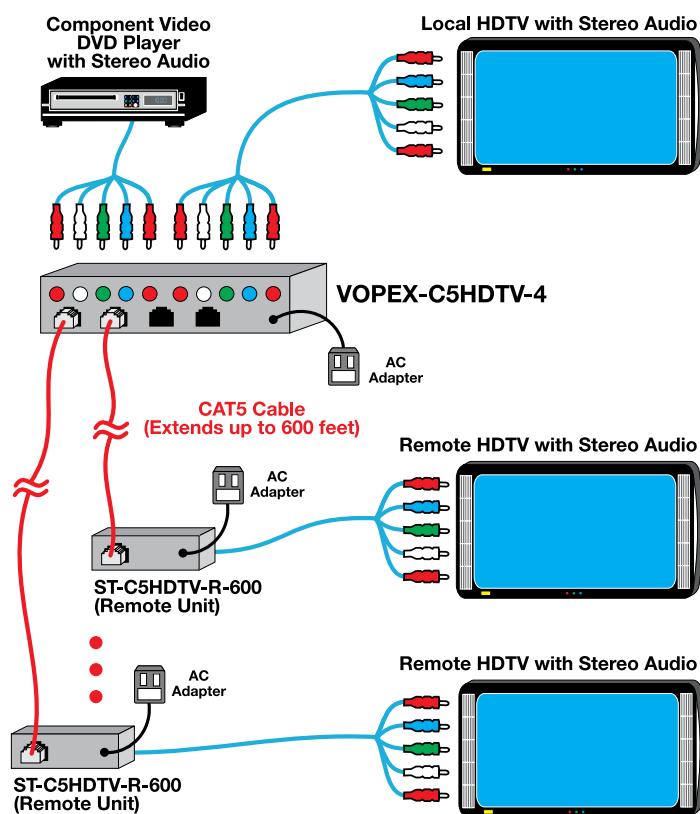
Features & Applications

The VOPEX® HDTV Audio/Video Splitter/Extender is ideal for systems where high resolution YPbPr component video signals along with analog or digital audio signals must be transmitted long distances to multiple displays and speakers via CAT5 cable.

The VOPEX system has two components: the local broadcast unit, which connects to the YPbPr component video device and also supplies audio/video to a local display and speakers, and a remote unit for each remote display and speakers. The units are interconnected by CAT5/5e/6 cable up to 600 feet.

- Easily transmit high-definition component video signals to projectors in the ceiling by using compact CAT5 cable instead of bulky cable bundles.
- Broadcast real-time HDTV YPbPr component video and analog stereo audio or digital audio to multiple locations.
- Supports High Definition and Standard Definition YPbPr component video, S-Video or composite video.
- Audio can be left and right analog stereo or digital S/PDIF.
 - VOPEX-C5HDA-x supports S/PDIF, DTS Digital Surround™, and Dolby Digital™ 5.1 digital signals.
 - VOPEX-C5HDTV-x supports analog stereo audio.
- Supports 480i (interlaced), 480p (progressive), 720i, 720p, 1080i, and 1080p formats.
- All audio/video inputs and outputs have RCA cable connectors.
- Ideal for movie theater lobbies, point of purchase displays, conference centers, airports, and other applications that require multiple displays.
- Easily expandable. Add remote units as you add displays.
- A pure hardware solution – no software conflicts.

Configuration and Cable Illustration



www.networktechinc.com/hdvtv-extend.html



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Specifications

Local Unit

Video

- Female RCA input and output connectors.
- Signal type: HDTV YPbPr component.
 - Inputs and outputs must be of the same format.
- Maximum input/output levels: 2Vp-p.
- Input/output impedance: 75 Ohms.
- Video crosstalk: <-60dB.
- Video gain: unity.
- Bandwidth: 90Mhz at 100 feet, 50Mhz at 600 feet.
- Resolutions: HDTV 480i, 480p, 720i, 720p, 1080i, and 1080p.

Audio

- Audio can be Left and Right stereo (RCA) or digital S/PDIF (coax).
- Audio can be heard both locally and remotely.

Digital Audio (VOPEX-C5HDA-x)

- Signal type: coax S/PDIF, DTS Digital Surround™, Dolby Digital™ 5.1.
- Maximum input/output levels: 1Vp-p.
- Input/output impedance: 75 Ohms.

Stereo Audio (VOPEX-C5HDTV-x)

- Signal type: stereo audio, analog, left/right.
- Maximum input/output levels: 2.5Vp-p.
- Input impedance: 10K Ohms.
- Output impedance: 50 Ohms.
- Frequency Response: +/-0.03 dB, 20 Hz to 20 kHz.
- Total Harmonic Distortion + Noise (THD+N): 0.03% at 1kHz.
- Signal-to-Noise Ratio (SNR): 76 dBA.
- Stereo crosstalk: -70 dB.

Power

- 110 at 60 Hz via AC adapter.
- Power consumption: VOPEX-C5HDA-4: 10W, VOPEX-C5HDA-8: 15W, VOPEX-C5HDA-16: 20W, VOPEX-C5HDTV-4: 10W, VOPEX-C5HDTV-8: 15W, VOPEX-C5HDTV-16: 20W

Dimensions

- WxDxH (in): 8.5x6.0x2.6

Regulatory Approvals

- CE, RoHS

Warranty

- Two Years

Remote Unit

Video

- Signal type: HDTV YPbPr component.
- Maximum output level: 1.45Vp-p.
- Output impedance: 75 Ohms.
- Resolutions: HDTV 480i, 480p, 720i, 720p, 1080i, and 1080p.

Audio

- Audio can be Left and Right stereo or digital S/PDIF.
- Audio can be heard both locally and remotely.
- Female RCA connectors.

Digital Audio (ST-C5HDA-R-600)

- Use ST-C5HDA-R-600 with VOPEX-C5HDA-x.
- Signal type: coax S/PDIF, DTS Digital Surround™, Dolby Digital™ 5.1.
- Output levels: 0.5Vp-p.
- Output impedance: 75 Ohms.

Stereo Audio (ST-C5HDTV-600)

- Use ST-C5HDTV-600 with VOPEX-C5HDTV-x.
- Signal type: stereo audio, analog, left/right.
- Maximum input/output levels: 3.1Vp-p.
- Input impedance: 10K Ohms.
- Output impedance: 50 Ohms.

Power

- 110 at 60 Hz via AC adapter.
- Power consumption: 10W

Dimensions

- WxDxH (in): 3.25x3.4x1

Regulatory Approvals

- CE, RoHS

Warranty

- Two Years

HDTV Audio/Video Splitter/Extender with Digital Audio Models

NTI Part #	Local or Remote	# of ports
VOPEX-C5HDA-4	Local	4
VOPEX-C5HDA-8	Local	8
VOPEX-C5HDA-16	Local	16
ST-C5HDA-R-600	Remote	NA

HDTV Audio/Video Splitter/Extender with Stereo Audio Models

NTI Part #	Local or Remote	# of ports
VOPEX-C5HDTV-4	Local	4
VOPEX-C5HDTV-8	Local	8
VOPEX-C5HDTV-16	Local	16
ST-C5HDTV-R-600	Remote	NA



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