

HDTV Component Video + Stereo Audio Splitter/Extender via CAT5

VOPEX®

Use one component video device to play the same image and audio on multiple HDTV displays and speakers up to 600 feet away.

- Broadcast real-time HDTV YPbPr component video and analog stereo audio to multiple locations.
- Supports High Definition and Standard Definition component YPbPr component video, S-Video or composite video.
- Supports left and right analog stereo audio.
- Supports 480i (interlaced), 480p (progressive), 720i, 720p, 1080i, and 1080p formats with no image degradation.
- All audio/video inputs and outputs have RCA cable connectors.
- Easily transmit high-definition component video signals to projectors in the ceiling by using compact CAT5 instead of bulky cable bundles.
- Ideal for digital signage, 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.

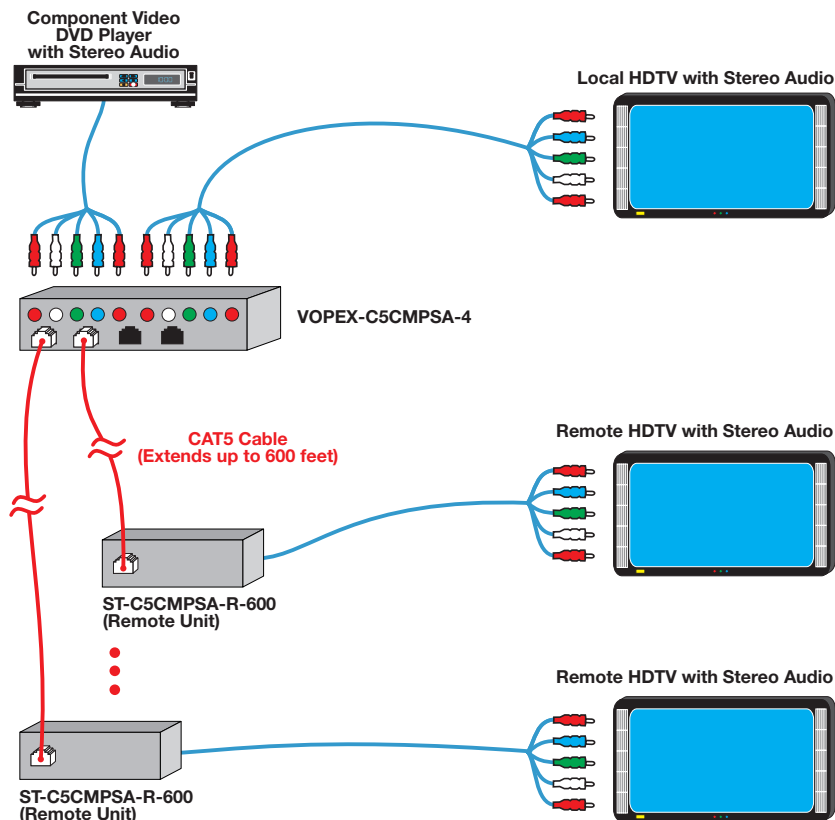


VOPEX-C5CMPSA-8 (Front & Back) and ST-C5CMPSA-R-600 Remote Unit

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

The VOPEX system has two components: the local HDTV 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.

Configuration and Cable Illustration



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Specifications

Local Unit

Video

- Female RCA connectors.
- Signal type: HDTV YPbPr component.
- Maximum input/output levels: 2Vp-p
- Input/output impedance: 75 Ohms
- Video crosstalk: <-60dB
- Video gain: unity
- Bandwidth: 90 Mhz at 100 feet (30 meters), 50 Mhz at 600 feet (183 meters)
- Resolutions: HDTV 480i, 480p, 720i, 720p, 1080i, and 1080p with no signal loss.

Audio

- Female RCA connectors.
- 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 1 kHz.
- Signal-to-Noise Ratio (SNR): 76 dBA
- Stereo crosstalk: -70 dB
- CD quality audio output.

Power

- 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- Power consumption:
- VOPEX-C5CMPSA-4: 10 W
- VOPEX-C5CMPSA-8: 15 W

MTBF

- VOPEX-C5CMPSA-4: 83,756 hrs
- VOPEX-C5CMPSA-8: 80,607 hrs

Dimensions

- WxDxH: 8x6x2.5 in (203x152x64 mm)

Environmental

- Operating temperature: 32 to 100°F (0 to 38°C).
- Storage temperature: -20 to 140°F (-30 to 60°C).
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Warranty

- Two years

Remote Unit

Video

- Female RCA connectors.
- Signal type: HDTV component YPbPr
- Maximum output level: 1.45Vp-p.
- Output impedance: 75 Ohms
- Resolutions: HDTV 480i, 480p, 720i, 720p, 1080i, and 1080p with no signal loss.

Audio

- Female RCA connectors.
- Signal type: stereo audio, analog, left/right
- Maximum input/output levels: 3.1Vp-p.
- Input impedance: 10K Ohms
- Output impedance: 50 ohms
- CD quality audio output.

Power

- 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- Power consumption: 10 W

MTBF

- ST-C5CMPSA-R-600: 83,389 hrs

Dimensions

- WxDxH: 3.5x3.1x1.2 in (89x79x30 mm)

Environmental

- Operating temperature: 32 to 100°F (0 to 38°C).
- Storage temperature: -20 to 140°F (-30 to 60°C).
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Warranty

- Two years

Max Distance

- 600 feet (183 meters) over CAT5/5e/6 cable.

HDTV Component Video + Stereo Audio Splitter/Extender via CAT5 Models

NTI Part #	Local or Remote Unit	# of Ports	Weight (lbs)
VOPEX-C5CMPSA-4	Local	4	2
VOPEX-C5CMPSA-8	Local	8	2
ST-C5CMPSA-R-600	Remote	NA	1.2