

DVI Video Splitter/Extender with Audio via CAT5/6/7

VOPEX®

Drive up to 4 remote displays and speakers from one DVI video source

- Broadcast real-time DVI video to multiple display locations.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1080 and 1920x1200.
 - Refer to the resolution chart in the specifications section for resolutions using different CATx cable types and lengths.
- HDCP compliant.
- Supports the DDC2B protocol.
- Full IR control of DVI source from remote HDTV using existing source remote control.
- EDID learning for the support of any DVI display device.
- Supplies power to the remote units – no additional power supplies required.
- Optional audio can be broadcast to self-powered stereo speakers at each remote location and optionally to the local unit.
- Available with optional local access support for local DVI display.
- Cascade multiple units for more numerous display configurations.
- Ideal for digital signage, tradeshows, or classrooms where high quality video on multiple monitors is needed.



**VOPEX-C6DVIA-LA-4 Local Unit (Front & Back)
and ST-C6DVIA-IR-R-300 Remote Unit**

The VOPEX® DVI Splitter/Extender simultaneously distributes high resolution single link digital DVI video from one video source to up to 4 displays, each located up to 300 feet (91 meters) away using a single CAT5e/6/7 cable.

The VOPEX system consists of two components: the DVI broadcast unit, which connects to the host video source and optionally supplies video to a local display, and a remote unit for each remote display.

Specifications

Local Unit

Video Input

- Compatible with a computer or HDTV video source (satellite receiver, DVD player, etc) with DVI output.
- Multiplatform support: Windows 2000/XP/Vista/7, Windows Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- Female DVI-I connector.
 - Signal type: single link digital DVI.
- HDCP compliant

IR Extension Support

- One female 3.5mm port for IR emitter (included).

Optional Video Output

- Female DVI-I connector.
 - Signal type: single link digital DVI.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 at 60 Hz.
- HDCP compliant

Optional Stereo Audio

- One 3.5mm jack
- Frequency response: 20 Hz to 20 kHz, ± 1 dB.
- Signal-to-Noise Ratio (SNR): 76 dBA.
- Total Harmonic Distortion and Noise (THD+N): 0.017%.
- Stereo crosstalk: -70 dB.
- Input impedance: 10k Ohms.
- Line level output; supports multimedia speakers.
- Maximum I/O levels: 3.1Vp-p (line level).
- CD quality audio output.

Power

- 110 or 220 VAC at 50 or 60 Hz via AC adapter. (Country-specific AC adapter included.)

Dimensions

- WxDxH: 7.35x4.98x1.09 in. (187x126x28 mm)

Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -20 to 140°F (-30 to 60°C).
- Operating/storage relative humidity: 17 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Cables

- 3-foot DVI cable included.
- 3-foot audio cable included with units with audio option.
- Use DVI-IS-xx-MM cables to connect a DVI source or display.
- Use DVI-HD-xx-MM cables to connect an HDMI source or display.
- Use CAT5e/6/7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

Warranty

- Two years

Drive up to 4 remote displays and speakers from one DVI video source

Specifications (Continued)

Remote Unit

Video Output

- Female DVI-I connector.
 - Signal type: single link digital DVI.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 at 60 Hz.
- HDCP compliant

IR Extension Support

- One female 3.5mm port for IR receiver (included).

Optional Stereo Audio

- One 3.5mm jack
- Frequency response: 20 Hz to 20 kHz, ±1 dB.
- Signal-to-Noise Ratio (SNR): 76 dBA.
- Total Harmonic Distortion and Noise (THD+N): 0.017%.
- Stereo crosstalk: -70 dB.
- Input impedance: 10k Ohms.
- Line level output; supports multimedia speakers.
- Maximum I/O levels: 3.1Vp-p (line level).
- CD quality audio output.

Power

- Powered from local unit via CAT5/5e/6/6a cable.

Dimensions

- WxDxH: 3.09x3.49x1.08 in. (78x89x27 mm)

Environmental

- Operating temperature: 32 to 122°F (0 to 50°C).
- Storage temperature: -20 to 140°F (-30 to 60°C).
- Operating/storage relative humidity: 17 to 90% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Warranty

- Two years

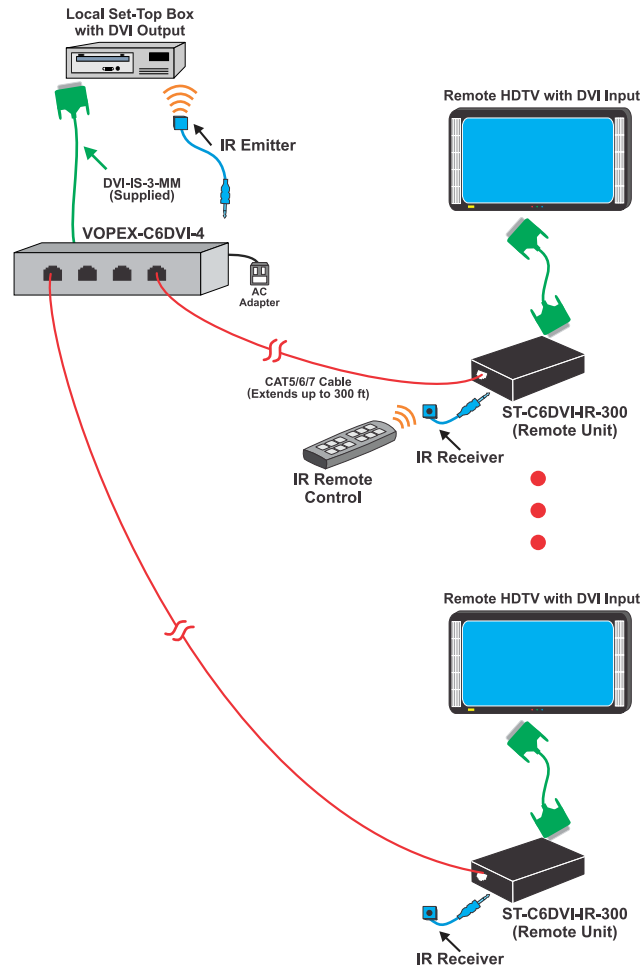
Distances & Resolutions for CAT5e/6/6a/7 Cables		
Cable	Distance (feet)	Maximum Resolution
CAT5e Solid UTP	100	1080p/60Hz/8-bit
		1080i/60Hz/12-bit
		1920x1200/60Hz
	150	720p/60Hz/8-bit
		1280x1024/60Hz
CAT5e Stranded UTP	100	720p/60Hz
		1280x1024/60Hz
CAT6 Solid UTP	50	1080p/60Hz/10-bit
		1920x1200/60Hz
	75	1080p/60Hz/10-bit
		1080i/60Hz/12-bit
		1920x1200/60Hz
	150	1080p/60Hz/8-bit
		1280x1024/60Hz
	175	1080p/24Hz
		720p/60Hz/8-bit
	250	1080p/24Hz
		720p/60Hz/8-bit
		1360x768/60Hz
300	480p/60Hz/12-bit	
	800x600/75Hz/8-bit	
CAT6a Solid UTP	75	1080p/60Hz/10-bit
		1920x1200/60Hz
	100	1080p/60Hz/10-bit
		720p/60Hz/12-bit
	200	1920x1200/60Hz
		720p/60Hz/10-bit
	300	1360x768/60Hz
		480p/60Hz/12-bit
	800x600/60Hz	
CAT7 Solid UTP	150	1080p/8-bit
		1920x1200/60Hz
	200	720p/60Hz/8-bit
		1024x768/60Hz
	279	720p/60Hz/8-bit
		480p/60Hz/12-bit
	1024x768/60Hz	

DVI Video Splitter/Extender with Audio via CAT5/6/7

VOPEX®

Drive up to 4 remote displays and speakers from one DVI video source

Configuration and Cable Illustration



DVI Video Splitter/Extender via CATx Models

NTI Part #	Supported Features	Local or Remote Unit	# of Ports
VOPEX-C6DVI-4	DVI Video	Local	4
ST-C6DVI-IR-R-300	DVI Video	Remote	NA

DVI Video Splitter/Extender with Audio & Local Access via CATx Models

NTI Part #	Supported Features	Local or Remote Unit	# of Ports
VOPEX-C6DVIA-LA-4	DVI Video + Audio, Local Access	Local	4
ST-C6DVIA-IR-R-300	DVI Video + Audio	Remote	NA