

S-Video/Audio Splitter/Extender via CAT5

VOPEX®

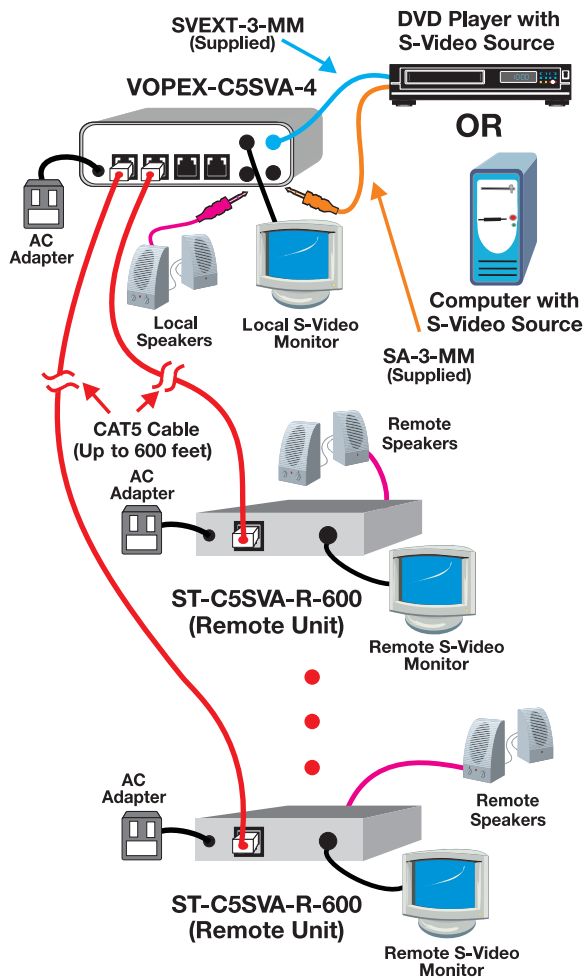
Drive up to 16 remote monitors from one computer

- Broadcast real-time S-Video or audio/video to multiple display locations.
- Optional audio can be broadcast to self-powered stereo speakers at the local unit and each remote location.
- Supports maximum S-Video resolution (800x600) at distances up to 600 feet. (183 meters)
- High quality rugged steel construction with durable powdercoat finish.
- Easily expandable. Add remote units as you add monitors.
- Inexpensive CAT5/5e/6 UTP cable replaces bulky video cables.
- A pure hardware solution – no software conflicts.

The VOPEX S-Video Splitter/Extender is the ideal solution for a wide range of multi-screen applications. Examples include:

- Give real-time arrival/departure updates to passengers at airports, train stations and bus stations.
- Provide stock and exchange rate updates at stock exchanges and banks.
- Broadcast entertainment or news in stores, restaurants, trains, and planes.
- A great alternative to expensive projectors in the classroom. Send a teacher's screen to all remote monitors.

Configuration and Cable Illustration



VOPEX-C5SV-16 Local Unit (Front & Back) and ST-C5SV-600 Remote Unit

The VOPEX® S-Video/Audio Splitter/Extender simultaneously broadcasts high-resolution video and audio from one S-Video source to 4, 8 or 16 remote locations using CAT5/5e/6 cable. This real-time system supports remote S-Video displays and speakers up to 600 feet from the S-Video source as well as a local display and speakers.

The VOPEX S-Video/Audio splitter/extender system has two components: the VOPEX-C5SV-x S-Video broadcast unit, which connects to the host device and also supplies audio/video to a local display and speakers, and an XTENDEX® ST-C5SV-R-600 remote unit for each remote display and speakers. The units are interconnected by CAT5/5e/6 cable

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Specifications

Local Unit (Splitter)

Video Input

- Supports computers and video devices with S-Video output.
- Female 4-pin miniDIN connector.
- Input impedance: 75 Ohms.
- Maximum input levels for S-Video: 1.45 Vp-p.
- Video is DC coupled.

Video Output

- Female RJ45 connectors for CAT5/5e/6 cable to remote units.
- Female 4-pin miniDIN connector.
- 800x600 video resolution.
- Output impedance: 75 Ohms.
- Maximum output level for S-Video: 1.45Vp-p.

Optional Audio

- 3.5 mm stereo audio jacks.
- Stereo audio can be heard both locally and remotely.
- 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.
 - CD quality audio output.
- Maximum I/O levels for audio: 3.1 Vp-p (line level).

Cables

- 3-foot (0.91-meter) S-Video cable included.
- 3-foot (0.91-meter) audio cable included (with VOPEX-C5SVA-x).
- Use CAT5, CAT5e or CAT6 UTP straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included)

Power

- 110 or 220 VAC at 50 or 60 Hz via AC adapter.

Power Consumption			
Model	Power (W)	Model	Power (W)
VOPEX-C5SVA-4	10	VOPEX-C5SV-8	10
VOPEX-C5SVA-8	15	VOPEX-C5SV-16	15
VOPEX-C5SVA-16	20		

MTBF			
NTI Part #	MTBF (hrs)	NTI Part #	MTBF (hrs)
VOPEX-C5SVA-4	79,527	VOPEX-C5SV-8	82,412
VOPEX-C5SVA-8	77,267	VOPEX-C5SV-16	70,995
VOPEX-C5SVA-16	64,412		

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

Remote Unit (Receiver)

Video Output

- Crisp and clear 800x600 resolution to 600 feet. (183 meters)
- Female 4-pin miniDIN connector.
- Output impedance: 75 Ohms.
- Maximum output level: 1.45Vp-p.
- Video quality adjustment for different lengths of CAT5/5e/6 cable is done manually for video-only units and automatically for audio/video units.

Optional Audio

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

Power

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

MTBF

- ST-C5SV-R-600: 84,040 hrs
- ST-C5SVA-R-600: 86,077 hrs

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

Warning!

- Never connect the VOPEX-C5SV-x or ST-C5SVx-R-600 to an Ethernet card, Ethernet router, hub or switch or other Ethernet RJ45 connector of an Ethernet device. Damage to devices connected to the Ethernet may result.

S-Video/Audio Splitter/Extender via CAT5 Models

Supported Features	Local or Remote	NTI Part #	# of ports	Size WxDxH (in)
S-Video	Local	VOPEX-C5SV-8	8	8.5x6.0x2.5
	Local	VOPEX-C5SV-16	16	8.5x6.0x2.5
	Remote	ST-C5SV-R-600	NA	3.5x3.1x1.2
S-Video + Audio	Local	VOPEX-C5SVA-4	4	8.5x6.0x2.5
	Local	VOPEX-C5SVA-8	8	8.5x6.0x2.5
	Local	VOPEX-C5SVA-16	16	8.5x6.0x2.5
	Remote	ST-C5SVA-R-600	NA	3.5x3.1x1.2