Drive up to 8 monitors and speakers 1,000 feet away from one computer

- Broadcast real-time VGA video and stereo audio to multiple locations.
- Supports resolutions up to 2048x1536 using NTI's 1,000’ remote units and 1920x1440 using NTI's 600’ remote units.
- Easily expandable. Add remote units as you add monitors.
- A pure hardware solution-no software conflicts.
- High quality rugged steel construction with durable powder coat finish.
- Ideal for digital signage, movie theater lobbies, point of purchase displays, conference centers, airports, and other applications that require multiple displays.

Configuration and Cable Illustration

VOPEX® VGA Video Splitter/Extender simultaneously broadcasts high-resolution VGA video from one computer to 4 or 8 remote monitors located up to 1,000 feet away using CAT5/5e/6 cable. Audio can be broadcasted to self-powered stereo speakers at the local unit and each remote location when using NTI's remote units with audio option.

The VOPEX VGA Video splitter/Extender system has two components: the VOPEX-C5V(A)-x1000 VGA broadcast unit, which connects to the host computer and also supplies video to a local monitor, and an XTENDEX® remote unit (ST-C5V(R)-1000SP or ST-C5V(A)-R-600) for each remote monitor. The units are interconnected by CAT5/5e/6 cable.

VOPEX-C5VA-4C1000 Local Unit (Front & Back) and ST-C5V-R-1000SP Remote Unit

- Supports Resolutions up to 2048x1536
- Compatible with NTI's 600’ and 1000’ Extenders

VOPEX Video/Audio Splitter/Extenders via CAT5 to 1,000 Feet Models

<table>
<thead>
<tr>
<th>NTI Part #</th>
<th># of Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOPEX-C5VA-4C1000</td>
<td>4</td>
</tr>
<tr>
<td>VOPEX-C5VA-8C1000</td>
<td>8</td>
</tr>
</tbody>
</table>

Receivers to 1,000 Feet

<table>
<thead>
<tr>
<th>NTI Part #</th>
<th>Supported Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST-C5V-R-1000SP</td>
<td>VGA</td>
</tr>
<tr>
<td>ST-C5V2A-R-1000SP</td>
<td>VGA + Audio</td>
</tr>
</tbody>
</table>

Receivers to 600 Feet

<table>
<thead>
<tr>
<th>NTI Part #</th>
<th>Supported Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST-C5V-R-600</td>
<td>VGA</td>
</tr>
<tr>
<td>ST-C5VA-R-600</td>
<td>VGA + Audio</td>
</tr>
</tbody>
</table>

Remote Units to 1,000 ft Distances and Resolutions for CATx Cables

<table>
<thead>
<tr>
<th>Cable</th>
<th>Distance (feet)</th>
<th>Maximum Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT5/CAT5e</td>
<td>1000</td>
<td>1920x1200 at 60Hz</td>
</tr>
<tr>
<td>Solid UTP</td>
<td>800</td>
<td>1920x1440 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>1600x1200 at 60Hz</td>
</tr>
<tr>
<td>CAT5/5e Solid STP, CAT6/6a Solid UTP</td>
<td>300</td>
<td>1024x768 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>1280x1024 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>1920x1440 at 60Hz</td>
</tr>
</tbody>
</table>

Remote Units to 600 ft Distances and Resolutions for CATx Cables

<table>
<thead>
<tr>
<th>Cable</th>
<th>Distance (feet)</th>
<th>Maximum Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT5/CAT5e(UTP)</td>
<td>1000</td>
<td>1920x1200 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>1920x1440 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>1600x1200 at 60Hz</td>
</tr>
<tr>
<td>CAT6 (UTP)</td>
<td>800</td>
<td>1920x1440 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>2048x1536 at 60Hz</td>
</tr>
<tr>
<td>CAT5/5E (STP)</td>
<td>800</td>
<td>1920x1200 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>600</td>
<td>1920x1440 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>2048x1536 at 60Hz</td>
</tr>
<tr>
<td>CAT6 (STP)</td>
<td>400</td>
<td>1280x1024 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>300</td>
<td>1600x1200 at 60Hz</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>2048x1536 at 60Hz</td>
</tr>
</tbody>
</table>
Specifications

Local Unit (Splitter)

Video Input
- Supports a PC, SUN or MAC with VGA video.
- Male 15-pin HD connector.
- DDC Update button for sending updated EDID to the graphics card in the CPU.
- Input frequency ranges:
  - Horizontal: 15 kHz to 130 kHz.
  - Vertical: 30 Hz to 150 Hz
- Supports Separate and Composite TTL level sync and Sync on Green.
- Input impedance: 75 Ohms.
- Maximum input levels: 1.45 p-p.
- Video is DC coupled.

Video Output
- Female RJ45 connectors for CAT5/5e/6 cable to remote units.
- Female 15-pin HD connector for local monitor.
- Crisp and clear 2048x1536 video resolution.
- Output impedance: 75 Ohms.
- Maximum output level: 1.45Vp-p

Audio
- 3.5mm stereo audio jacks.
- 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 VGA cable included.
- 3-foot audio cable included.
- Use CAT5, CAT5e or CAT6 UTP straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

Power
- 100 to 240 VAC at 50 or 60 Hz via AC adapter. (Country-specific AC adapter included.)

Dimensions
- 4-port WxDxH (in): 5.13x3.45x1.08
- 8-port WxDxH (in): 5.13x3.45x1.68

Environmental
- Operating temperature: 32 to 100°F (0 to 38°C)
- Storage temperature: -22 to 140°F (-30 to 60°C)
- Operating and storage relative humidity: 5 to 90% non-condensing RH.

Regulatory Approvals
- CE, RoHS
- TAA compliant

Warranty
- Two years

Remote Unit (Receiver)

Video Output
- Female 15-pin HD connector.
- Resolutions:
  - ST-C5V(2A)-R-1000SP: Supports resolutions up to 2048x1536
  - ST-C5V(A)-R-600: Supports resolutions up to 1920x1440
  - Refer to the resolution charts below for resolutions at different lengths.
- Output impedance: 75 Ohms.
- Video quality adjustment:
  - ST-C5V(2A)-R-1000SP: Automatically adjusts the video quality and color skew to compensate for varying lengths of CATx cable.
  - ST-C5V(A)-R-600: Video quality adjustment for different lengths of CATx cable is done manually for the video-only remote, and automatically for audio/video remote.

Optional Audio
- 3.5mm stereo audio jack.
  - Note: the extra 3.5mm port on ST-C5V2A-R-1000SP for microphone is not supported by the VOPEX-C5VA-xC1000.
- 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
- 100 to 240 VAC at 50 or 60 Hz via AC adapter. (Country-specific AC adapter included.)

Dimensions
- ST-C5V(2A)-R-1000SP WxDxH (in): 5.05x3.08x1.09 in
- ST-C5VA-R-600 WxDxH (in): 3.47x3.05x1.04

Environmental
- Operating temperature: 32 to 100°F (0 to 38°C)
- Storage temperature: -22 to 140°F (-30 to 60°C)
- Operating and storage relative humidity: 5 to 90% non-condensing RH.

Regulatory Approvals
- CE, RoHS
- TAA compliant

Warranty
- Two years