

VGA VIDEO SPLITTER WITH AUDIO OPTION

Use one computer to display the same high-resolution image on up to 16 monitors



VOPEX-8V-H VGA Video Splitter (Front and Back)

Features & Applications

The VOPEX® VGA Video Splitter enables up to 16 VGA monitors to be driven by a single computer. The same image can be displayed on up to 256 monitors by cascading. The DDC2B protocol is supported from Output-1.

- Supports VGA/SVGA monitors, including LCD flat panel monitors.
- 1900x1200 resolution with no degradation.
- Supports the DDC2B protocol.
- Available with optional stereo audio.
- Burn-in monitors after repair.
- Ideal for classrooms, tradeshows, or digital signage where high quality video on multiple monitors is needed.

Specifications

Video Input

- Male 15-pin HD input connector.
- Supports a PC, SUN or MAC with VGA video.
- Multiplatform support: Windows 2000/XP/Vista/Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- Maximum input levels for video: 1.45Vp-p.
- Input impedance: 75 Ohms.
- Supports Separate and Composite TTL level sync and Sync On Green.
- Sync input frequency ranges:
 - Horizontal: 15 kHz to 130 kHz.
 - Vertical: 30 Hz to 150 Hz.

Video Output

- Female 15-pin HD output connectors.
- Crisp and clear 1900x1200 resolution.
- Bandwidth is 150 MHz.
- Maximum output levels for video: 1.45Vp-p.
- Output impedance: 75 Ohms.
- All outputs are individually buffered.
- All monitors must be able to support the highest resolution of the DDC monitor connected to Output-1.

Optional Audio

- 3.5mm stereo audio jacks.
- Frequency response: 20 Hz to 20 kHz, ± 1 dB.
- Total Harmonic Distortion (THD): 0.012%
- Stereo Crosstalk: -82 dB.
- Input impedance: 10k Ohms.
- CD quality audio output.
- Requires powered speakers.

Power

- 110 or 220 VAC at 50 or 60 Hz.

Power Consumption

| Model | Power (W) | Model | Power (W) |
|-------------|-----------|-------------|-----------|
| VOPEX-2V-H | 5 | VOPEX-2VA-H | 5 |
| VOPEX-4V-H | 5 | VOPEX-4VA-H | 5 |
| VOPEX-8V-H | 5 | VOPEX-8VA-H | 10 |
| VOPEX-16V-H | 10 | | |

MTBF

| NTI Part # | MTBF (hrs) | NTI Part # | MTBF (hrs) |
|-------------|------------|------------|------------|
| VOPEX-2V-H | 175,784 | VOPEX-2VA | 166,448 |
| VOPEX-4V-H | 153,392 | VOPEX-4AV | 144,863 |
| VOPEX-8V-H | 135,708 | VOPEX-8AV | 125,808 |
| VOPEX-16V-H | 110,121 | | |

Environmental

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

Regulatory Approvals

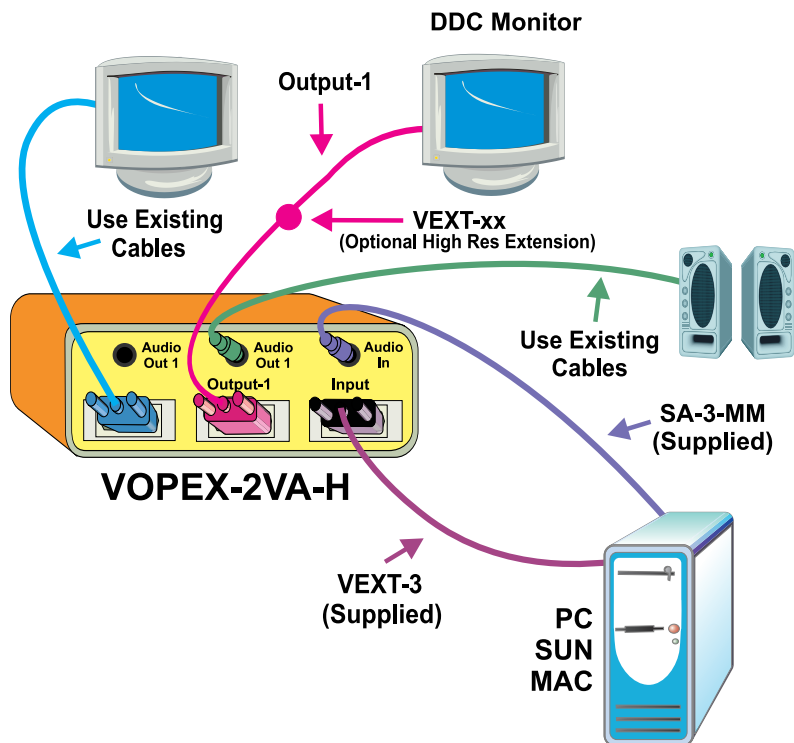
- RoHS



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Configuration and Cable Illustration



Cables

- Extend 1900x1200 resolution to 15 meters, and 1600x1200 to 100 feet with no degradation using NTI's VEXT-xx cables.
- 1-meter VGA cable included.
- 1-meter audio cable included (with VOPEX-xVA-H).

VGA Video Splitter Models

| NTI Part # | # of Ports | Size WxDxH (mm) |
|-------------|------------|-----------------|
| VOPEX-2V-H | 2 | 124x132x43 |
| VOPEX-4V-H | 4 | 203x157x66 |
| VOPEX-8V-H | 8 | 203x157x66 |
| VOPEX-16V-H | 16 | 254x191x84 |

VGA Audio / Video Splitter Models

| NTI Part # | # of Ports | Size WxDxH (mm) |
|-------------|------------|-----------------|
| VOPEX-2VA-H | 2 | 124x132x43 |
| VOPEX-4VA-H | 4 | 203x157x66 |
| VOPEX-8VA-H | 8 | 203x157x66 |



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