

# 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,  $\pm 1$  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

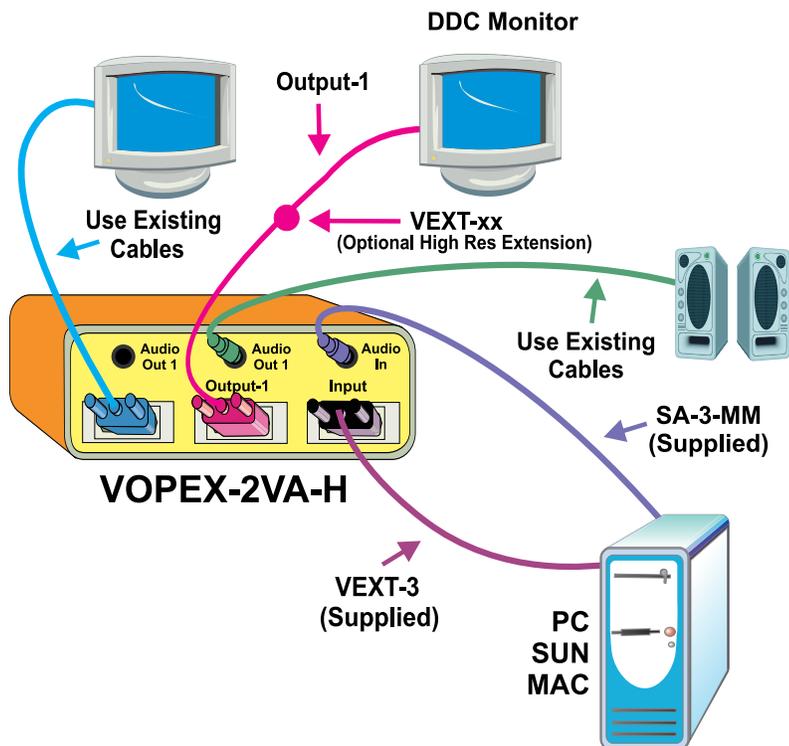
- RoHS



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## Configuration and Cable Illustration



## Cables

- Extend 1900x1200 resolution to 50 feet, and 1600x1200 to 100 feet with no degradation using NTI's VEXT-xx cables.
- 3-foot VGA cable included.
- 3-foot audio cable included (with VOPEX-xVA-H).

### VGA Video Splitter Models

NTI Part #	# of Ports	Size WxDxH (in.)
VOPEX-2V-H	2	4.9x5.2x1.7
VOPEX-4V-H	4	8x6.2x2.6
VOPEX-8V-H	8	8x6.2x2.6
VOPEX-16V-H	16	10x7.5x3.3

### VGA Audio / Video Splitter Models

NTI Part #	# of Ports	Size WxDxH (in.)
VOPEX-2VA-H	2	4.9x5.2x1.7
VOPEX-4VA-H	4	8x6.2x2.6
VOPEX-8VA-H	8	8x6.2x2.6



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