

Hall Research VSM-A-16-JA8 VSM-A-16-JA8 16x8 VGA Video Matrix with Stereo Audio Outputs on CATx

The VSM-A-16-JA8 and its variations are the most compact high-end matrix switcher for video and audio. The matrix switchers are used for Cross-Point switching of both Video (up to 8) and Audio (up to 8) signals.

The matrix switcher provides 8 video (and audio) outputs on UTP (CATx), each capable of independently displaying any of 16 inputs in any combination. Additionally, the outputs can be blanked out and/or muted. The VSM-A-16-JA8 can be used in television broadcasting environments, multimedia conference halls, public facilities, large display projects, schools, courtrooms, and command and control centers.

This matrix switcher can be controlled in 2 ways: manually using the buttons on the front panel or via one or two serial RS-232 control ports.

This product line has a variety of options that affect the actual part number. Use this 'Part Number Configuration Tool' to help create the correct part number based on the options selected.

Features

- Allows cross-point switching of PC or HD video and audio signals
- Multiple control methods including front panel, serial and IP ports
- Switched output can be blanked (video) or muted (audio)
- Wide bandwidth to support PC resolutions to 1920x1200 or HD to 1080p
- Balanced stereo audio outputs allow interference free connections
- Pro Audio allows level adjustment of each audio input channel
- VU meter (sound level) bar graph display
- Battery-backed Real-time clock on all models with scheduling capability
- Monitors system voltage levels and temperature
- Alerts user with a blinking CHECK light if system faults are detected
- Built-in universal power supply
- Inputs and/or outputs can be on RJ45 connectors for using Cat5 cables
- Embed audio, power, or RS-232 along with the video on UTP
- Compact, Rugged, Reliable, and Economical
- Made in USA

Specifications

- Video Inputs: 8 or 16 VGA (HD15) Female connectors
- Video Outputs: 8 VGA (HD15) Female connectors
- Resolutions Supported: PC resolutions up to 1900x1200 @ 60 Hz & HDTV to 1080p
- Video Level: -0.3v to 0.7v (1 V p-p) on RGB, 0 to 5v DC on Sync
- Audio Inputs: Unbalanced Stereo on standard units. Balanced mono on units with RJ45 Audio
- Audio Inputs: Unbalanced Stereo on standard units. Balanced mono on units with RJ45 Audio
- Audio Input Levels: 0 to +4dBu (0.78 to 1.23Vrms) line level
- Audio outputs: Balanced Stereo on screw terminals
- Audio output Levels: -10dBV or +4dBu (for models with Pro Audio)
- Audio Bandwidth: 10 Hz to > 10 MHz (could pass through analog or digital S/PDIF audio sources)
- Audio Gain Range: -24 dB to +6 dB on Pro units, fixed at 0 DB on std
- Temperature: Operating: 32 to 122°F (0 to 50°C)
Storage: -40 to +185°F (-40 to +85°C)
- Enclosure: Steel
- MTBF: 90,000 hours (calculated estimate)
- Power: 100VAC-240VAC 50/60Hz
- Dimensions: 3.5" High x 19" Wide 12.78" Deep
- Weight: 9.4 Lbs
- Battery Type: CR2032 (3v Lithium)