

HDTV AUDIO/VIDEO MATRIX SWITCH

Switch audio and component video from eight sources to four displays



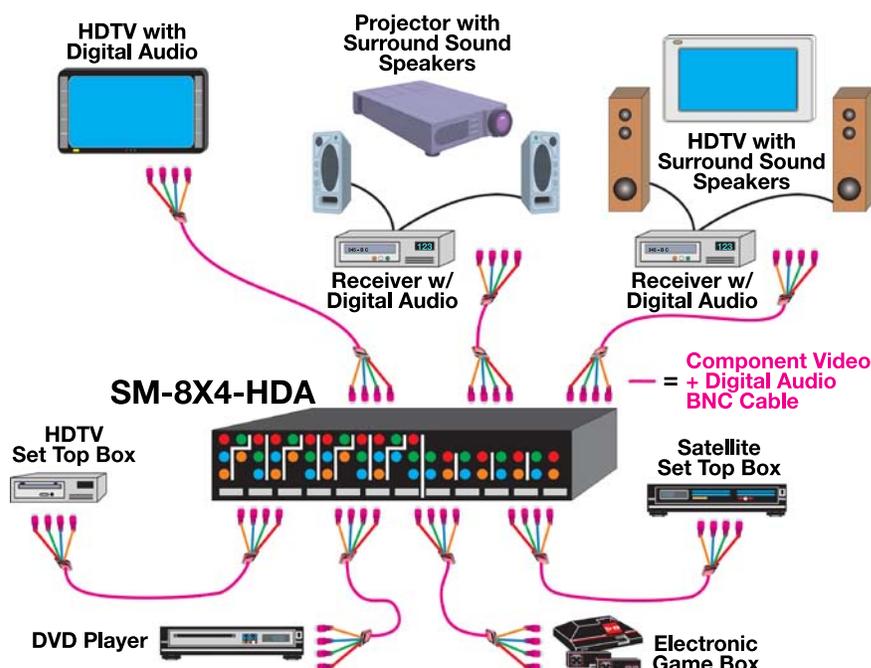
VEEMUX® SM-8X4-HDA (Front & Back)

Features & Applications

The VEEMUX® SM-8X4-HDA HDTV Audio/Video Matrix Switch independently switches eight sets of YPbPr component video and analog/digital audio signals to any or all of the four outputs. Each input and output has YPbPr component video, L/R analog audio (balanced/unbalanced), and digital audio on coax (S/PDIF).

- Supports High Definition and Standard Definition YPbPr component video.
- Audio can be unbalanced analog stereo, balanced analog stereo or digital S/PDIF.
 - Supports S/PDIF, DTS Digital Surround™, and Dolby Digital™ 5.1 digital signals.
- Supports 480i (interlaced), 480p (progressive), 720i, 720p, 1080i, and 1080p formats.
- Features break-away audio—allows audio to be switched independent of video.
- Equipped with volume control: -80dB to 10dB, in 1dB steps.
- Control the switch through Ethernet, RS232, or front panel buttons.
- The SM-8X4-HDA is the ideal solution for many applications, such as mission critical command centers, sports facilities and entertainment venues.

Configuration and Cable Illustration



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Specifications

Video

- BNC connectors.
- Signal type: HDTV YPbPr component.
- Maximum input/output levels: 2Vp-p.
- Input/output impedance: 75 Ohms.
- Video crosstalk: <-60dB.
- Video gain: unity.
- Bandwidth: >150MHz, fully loaded.
- Resolutions: HDTV 480i, 480p, 720i, 720p, 1080i, and 1080p.

Stereo Audio

- Screw terminal connectors.
- Signal type: balanced stereo audio, unbalanced stereo audio, analog, left/right.
 - Inputs and outputs must be of the same format.
- Maximum input/output levels: 2.5Vp-p.
- Input impedance: 10K Ohms.
- Output impedance: 50 Ohms.
- Frequency Response: +/-0.05 dB, 20 Hz to 20 kHz.
- Total Harmonic Distortion + Noise (THD+N): 0.03% at 1kHz.
- Signal-to-Noise Ratio (SNR): >80 dBA.
- Stereo Channel Separation: <-90 dBA.
- Output gain: -80dB to 10dB.

Digital Audio

- BNC connectors.
- Signal type: S/PDIF, DTS Digital Surround™, Dolby Digital™ 5.1.
 - Inputs and outputs must be of the same format.
- Maximum input/output levels: 1Vp-p (unbalanced).
- Input/output impedance: 75 Ohms.

Power

- 110 or 220 at 50 or 60 Hz via IEC connector.

Dimensions

- WxDxH (in): 19x10x3.5

Regulatory Approvals

- CE

Warranty

- Two years

Control Methods

Front Panel Interface

- Configuration and control can be done using the front panel buttons.
- Liquid Crystal Display (LCD) displays all current connections.
- Locally change input and output selections with front panel buttons.

Ethernet Control

- Configuration and control can be done over the Internet via Web Server and Telnet.
- RJ45 connector with LEDs.
- 10/100Base-T Ethernet interface.
- Supported protocols: HTTP, HTTPS, Telnet.

RS232 Control

- Female DB9 connector.
- Configuration and control can be done through the serial port.
- Control the switch using Matrix Control Software with Graphic User Interface via RS232. (See page 30 for specifications)
- Baud rate selectable from 1200, 2400, 4800, 9600.



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