

# DVI VIDEO MATRIX SWITCH

Switch single link DVI-D video from up to four sources to up to four displays.



**VEEMUX® SM-4X4-DVI (Front & Back)**

## Features and Applications

The VEEMUX® DVI Video Matrix Switch routes video from up to eight single link digital DVI video sources (computers, DVD players, satellite receivers, etc.) to up to four displays (LCD monitors, Plasma screens, DLP HDTVs, projectors, etc.).

- Configure and control the switch through serial port or front panel buttons.
- Supports DVI-D interface for crisp and clear video quality on flat panel displays.
- Supports HDTV resolutions up to 1080p and computer resolutions up to 1920x1200.
- EDID learning for the support of any DVI display device.
- Built in default EDID configuration table for both PC and Mac.
- Connect any output to any input.
- Broadcast one input to all outputs

## Specifications

### Video Input

- Compatible with computers and HDTV video sources (satellite receivers, DVD players, etc) with DVI-D outputs.
- Multiplatform support: Windows 2000/XP/Vista/7, Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- DVI-I connectors.
- Signal type: Single link digital DVI.

### Video Output

- Female DVI-I single link connectors.
- Signal type: Single link digital DVI.
- Supports HDTV resolutions up to 1080p and computer resolutions up to 1920x1200.
- Video bandwidth: 1.65 Gbps

### Regulatory Approvals

- CE, RoHS

### Power

- 100 to 240 VAC at 50 or 60 Hz via AC Adapter.
- Power consumption: 10W max.

### MTBF

- 322,216 hrs.

### Warranty

- Two years.

**Note: The SM-4X4-DVI DVI Video Matrix Switch does not support HDCP.**

## Control Methods

### Front Panel Interface

- Configuration and control can be done using the front panel buttons.
- Locally change input and output selections with front panel buttons.

### RS232 Control

- Configuration and control can be done through the serial port.
- Female 9-pin D connector.
- Baud rate: 9600.

### Matrix Control Software

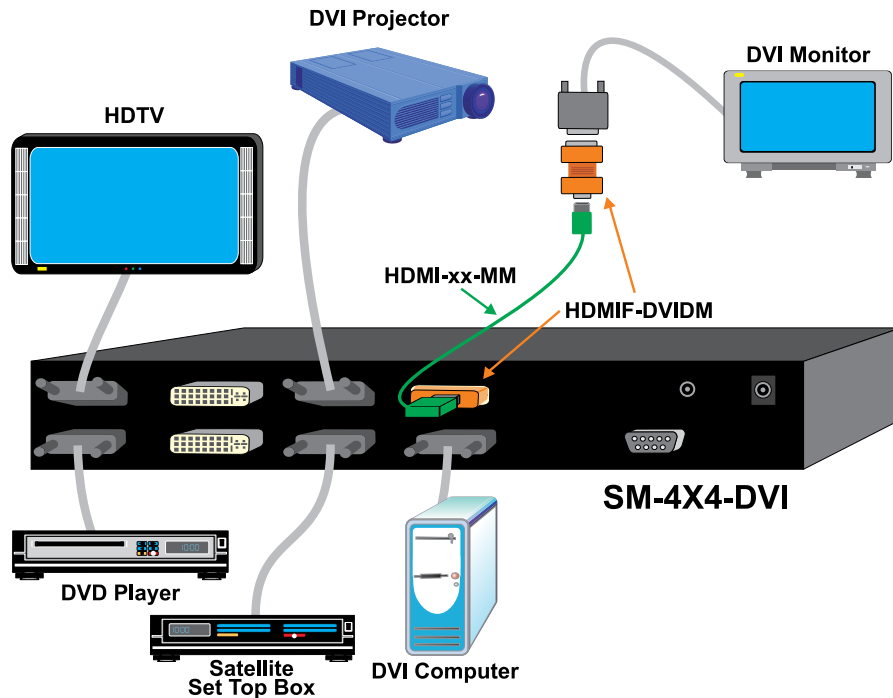
- Intuitive graphical software provides fast switch control of multiple DVI matrix switches using an RS232 connection.
- Supports Microsoft Windows® 95/98/NT/ME/2000/XP/Vista.
- Control switches with simple point-n-click interfaces.
- Save and load feature allows frequently used matrix switch configurations to be recalled with the click of a button.



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## Configuration and Cable Illustration



### Cables

- Interface cables between the video sources and the switch are required for proper operation.
- Recommended NTI video cables: DVI interface cable (DVI-IS-xx-MM).
- Cables not included.

### DVI Video Matrix Switch Models

NTI Part #	# of Inputs	# of Outputs	Size WxDxH (mm)
SM-4X4-DVI	4	4	305x165x44

### Resolutions Using NTI's Long HDMI Cables (HDMI-xx-MM) with SM-4X4-DVI

HDMI Cable on Output Cable Length (m)	Maximum Resolution	HDMI Cable on Input Cable Length (m)	Maximum Resolution
46	1280x1024	46	1280x1024
30	1280x1024	30	1280x1024
23	1280x1024	23	1280x1024
15	1280x1024	15	1280x1024
6	1920x1200	6	1280x1024

