



### Product Description:

The DVI-4544b is a high-performance 4x4 non-blocking matrix routing switcher with four (4) HDMI inputs and four (4) fully independent, re-clocked HDMI outputs. All inputs and outputs are HDMI v1.3 compliant and provide interoperability with both HDMI and DVI sources and displays. The unit supports a wide range of advanced HDMI v1.3 capabilities, such as Deep Color and new lossless digital audio formats: Dolby TrueHD, Dolby Digital Plus, and DTS-HD Master Audio.

The DVI-4544b can be controlled using a supplied IR Remote Control unit. An IR Extender is included for greater installation flexibility. The unit can also be controlled via an RS232 serial port, which enables integration into a home entertainment or professional audiovisual system. These features make the unit an ideal solution for high performance HDMI signal distribution in small to medium-size display systems.

### Key Features:

- HDMI v1.3, DVI v1.0 and HDCP v1.1 compliant; Supports HDCP Repeater Mode
- Supports 8-bit, 10-bit color; Supports RGB/YPbPr color space conversion per output
- Any input may be independently routed to any and all outputs
- All outputs are re-clocked and fully independent
- Supports PC resolutions up to 1920x1200 pixels; Supports HDTV resolutions up to 1080p
- Supports Dolby Digital, Dolby Digital Plus, Dolby TrueHD, and DTS-HD Master Audio
- Supports DVI I/O signals when using optional HDMI to DVI cables
- RS232 and IR Remote controllable
- EDID Management: automatic discovery of display EDID, or selection of internally stored EDID values
- Rugged metal enclosure; may be rack mounted using included hardware
- Locking power supply connector for added security

### Specifications:

Performance		
Compliance	HDMI v1.3, HDCP v1.1, and DVI v1.0	
Maximum Pixel Clock Frequency	225 MHz	
Maximum Video Bit Rate	2.25 Gbps	
Maximum Color Depth	30 bits (10 bit/color)	
Digital Audio Support	Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, DTS 32-192fs sample, LPCM 7.1/ch	
Supported HDTV Formats	480p, 576p, 720p, 1080i, and 1080p @ 24 Hz / 50 Hz / 60 Hz	
Supported PC Resolutions	up to 1920 x 1200, and 2048 x 1080	
EDID Management	Automatic discovery of display EDID, or back panel selection of internally stored EDID values	
I/O Connectors		
HDMI Inputs	4x HDMI 19-pin female connectors with fixation points	
HDMI Outputs	4x HDMI 19-pin female connectors with fixation points	
RS232 Serial Port	D-Sub 9-pin female connector	
Remote IR Receiver Input	3.5 mm stereo mini-jack female connector	
External AC Power Adaptor	5.5 mm twist-lock female connector	
Mechanical		
Dimensions (H-W-D)	1.90" x 17.2" x 7.2" (48.3 mm x 438.0 mm x 183.0 mm)	
Weight	4.6 lbs. (2.1 kg)	
Environmental		
Storage Temperature	0° to 50°C (32° to 122° F)	
Operating Temperature	0° to 50°C (32° to 122° F)	
Humidity (storage / operating)	10% to 90% (non-condensing)	
Power Requirements		
External AC Power Adaptor	100-240 VAC@50-60Hz - 5VDC@5A	
Regulatory Approvals		
Switcher Unit	FCC, CE, RoHS	
AC Power Adaptor	UL, CUL, CE, PSE, GS, RoHS	
Warranty		
Limited Warranty	3 years parts and labor	
Model Number		
DVI-4544b	HDMI (v1.3) 4x4 Matrix Switcher	
Accessories Included		
1x External AC Power Adaptor 1x User Guide	1x IR Remote Control Unit 1x IR Extender Cable (6.6 ft./ 2 meters)	2x Rack Mount Ears 1x Mounting Screw Kit