



Product Description:

The DVI-4541b is a high-performance 4x1 switcher with four (4) HDMI inputs and one (1) HDMI output. All inputs and output 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-4541b can be controlled using a supplied IR Remote Control unit. 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 display systems.

Key Features:

- HDMI v1.3, DVI v1.0, and HDCP v1.1 compliant
- Supports 8-bit, 10-bit color (Deep Color)
- Supports PC resolutions up to 1920x1200 pixels; supports HDTV resolutions up to 1080p
- Switchable Enhance Mode provides additional cable equalization for long cable runs
- 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 pass-through to all sources
- Rugged metal enclosure; may be rack mounted using optional rack mount kit
- 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	36 bits (12 bit/color)
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
Digital Audio Support	Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, DTS 32-192fs sample, LPCM 7.1/ch
Input Signal Equalization	Enhance Mode OFF: 6 dB @ 825 MHz Enhance Mode ON: 12 dB @ 825 MHz
EDID Management	Display's EDID is passed through to all sources.
I/O Connectors	
HDMI Inputs	4x HDMI 19-pin female connectors with fixation points
HDMI Outputs	1x HDMI 19-pin female connectors with fixation points
RS232 Serial Port	D-sub 9-pin female connector
External AC Power Adaptor	5.5 mm twist-lock female connector
Mechanical	
Dimensions (H-W-D)	1.4" x 7.9" x 4.3" (35.5 mm x 200.5 mm x 109 mm)
Weight	1.28 lbs. (582 g)
Environmental	
Storage Temperature	-10° to 50°C (14° 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	Input: 100-240 VAC / 50-60Hz Output: +5VDC @2A
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 Numbers	
DVI-4541b	HDMI (v1.3) 4x1 Switcher
DVI-4500-RM	Optional Rack Mount Kit for DVI-4521b and DVI-4541b Switchers
Accessories Included	
1x External AC Power Adaptor, 1x IR Remote Control Unit, 1x User Guide	