

# 4 x 4 / 8 x 8 True 4K HDMI Matrix Switch

VM0404HB / VM0808HB



reddot award 2015  
winner interface design

ATEN's VM0404HB / VM0808HB is a True 4K HDMI Matrix Switch that offers an easy and affordable way to route any of 4 / 8 HDMI video sources to any of 4 / 8 HDMI displays. Featuring superior video resolutions up to 4096 x 2160 @ 60 Hz (4:4:4), the VM0404HB / VM0808HB delivers robust signal routing and ultra-fast digital video switching, making it perfect for applications where routing of True 4K digital signals is required, such as event venues, digital classrooms, auditoriums, department stores, and more.

The intuitive GUI design of the VM0404HB / VM0808HB allows users to flexibly configure any input to output connections, eliminating the need of frequent physical configuration changes. In addition to the built-in web GUI, the VM0404HB / VM0808HB can be operated through front-panel pushbuttons, IR remote, RS-232 control, and Telnet via Ethernet connections, giving users the ultimate convenience while keeping the system available with performance video switching anytime.



VM0404HB Front view



VM0808HB Front view



VM0404HB Rear view

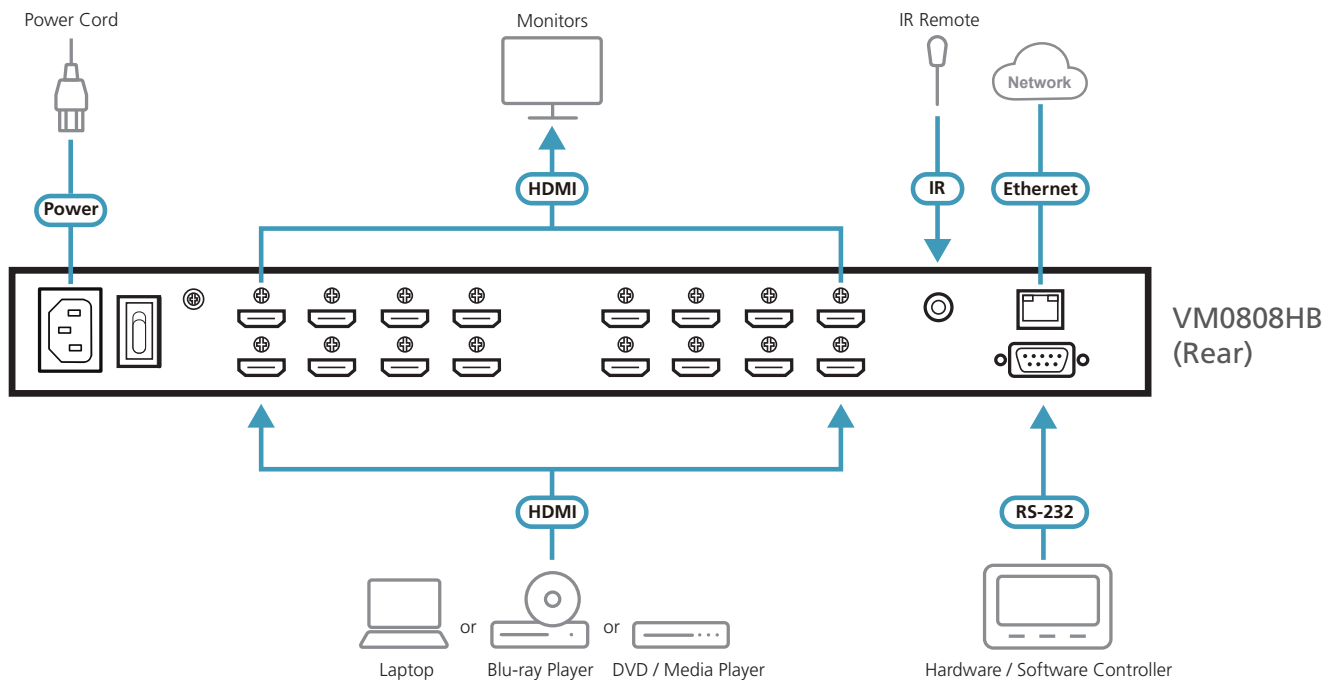


VM0808HB Rear view



## Features

- Connects any of 4 / 8 HDMI sources to any of 4 / 8 HDMI displays
- Supports True 4K resolutions up to 4096 x 2160 @ 60Hz (4:4:4)
- Supports HDR 10+
- Multiple Control Methods – system management via front-panel pushbuttons, IR remote, RS-232 control, and Web GUI / Telnet via Ethernet connections
- View and control via ATEN Video Matrix Control App in a swift and agile way
- EDID Expert™ – selects optimum EDID settings for smooth power-up, high-quality display and use of the best video resolution across different screens
- Signaling rates up to 6 Gbits for flawless True 4K output
- Supports Dolby True HD and DTS HD Master audio
- HDMI (3D, Deep Color, True 4K) and HDCP 2.2 compatible
- Supports Consumer Electronics Control (CEC)
- ESD protection for HDMI
- Supports ATEN's LockPro™ HDMI cable lock for secure HDMI cable connections
- Firmware upgradeable
- Rack mountable (1U design)



## Specifications

	VM0404HB	VM0808HB
<b>Video Input</b>		
Interfaces	4 x HDMI Type A Female (Black)	8 x HDMI Type A Female (Black)
Impedance	100 Ω	
Max. Distance	True 4K @ 60 Hz (4:4:4) @ 5 m	
<b>Video Output</b>		
Interfaces	4 x HDMI Type A Female (Black)	8 x HDMI Type A Female (Black)
Max. Distance	True 4K @ 60 Hz (4:4:4) @ 5 m 1920 x 1200 @ 15 m	
Impedance	100 Ω	
<b>Video</b>		
Max. Pixel Clock	600 MHz	
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:4:4)	
Max. Data Rate	18 Gbps ( 6 Gbps Per Lane)	
Compliance	HDMI (3D, True 4K, Deep Color); HDCP 2.2 Compatible; Consumer Electronics Control (CEC)	
<b>Control</b>		
RS-232	Connector: 1 x DB-9 Female (Black) Baud rate and protocol: Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No	
IR	1 x Mini Stereo Jack Female (Black)	
Ethernet	1 x RJ-45 Female	
<b>EDID Settings</b>	EDID Mode: Default / Port 1 / Remix / Customized (EDID Wizard Support)	
<b>Environmental</b>		
Operating Temperature	0 – 40 °C	
Humidity	0 - 80 % RH, Non-Condensing	
Storage Temperature	-20 – 60 °C	
<b>Connectors</b>		
Power	1 x 3-Prong AC Socket	
<b>Power</b>		
Maximum Input Power Rating	100 – 240 VAC; 50-60 Hz; 1.0A	
<b>Power Consumption</b>	AC110: 17.8W:83BTU AC220:17.6W:83BTU	AC110V:38.1W:179BTU AC220V:37.8W:177BTU
<b>Physical Properties</b>		
Weight	2.47 kg ( 5.44 lb )	3.99 kg ( 8.79 lb )
Housing	Metal	
Dimensions (L x W x H)	43.72 x 15.28 x 4.40 cm (17.21 x 6.02 x 1.73 in.)	43.24 x 26.23 x 4.40 cm (17.02 x 10.33 x 1.73 in.)

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