

8x8 4K HDMI Matrix Switch

VM0808HA

- The ATEN VM0808HA 8x8 4K HDMI Matrix Switch supports 4K resolutions of UHD (3840 x 2160) and DCI (4096 x 2160) with refresh rates of 30 Hz (4:4:4) and 60 Hz (4:2:0). Ready for the future of high-definition video switching, the VM0808HA is ideal for applications where the routing of 4K digital signals is required, such as in classrooms, auditoriums, department stores and more.

The VM0808HA matrix switch offers an easy and affordable way to route any of 8 HDMI video sources to any of 8 HDMI displays and can be operated through front-panel pushbuttons, IR remote, RS-232 control and Ethernet connections, ensuring optimum viewing and control of high-definition video. Moreover, with a built-in Web GUI, the VM0808HA is easily accessible via any web browser for remote configuration and customization of each HDMI source and display connection.

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

4K 4096x2160

4K 3840x2160

HDCP 2.2

A/V In
HDMI

A/V Out
HDMI

RS-232 Control

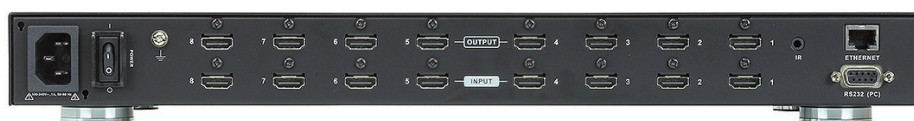
IR Remote
Control

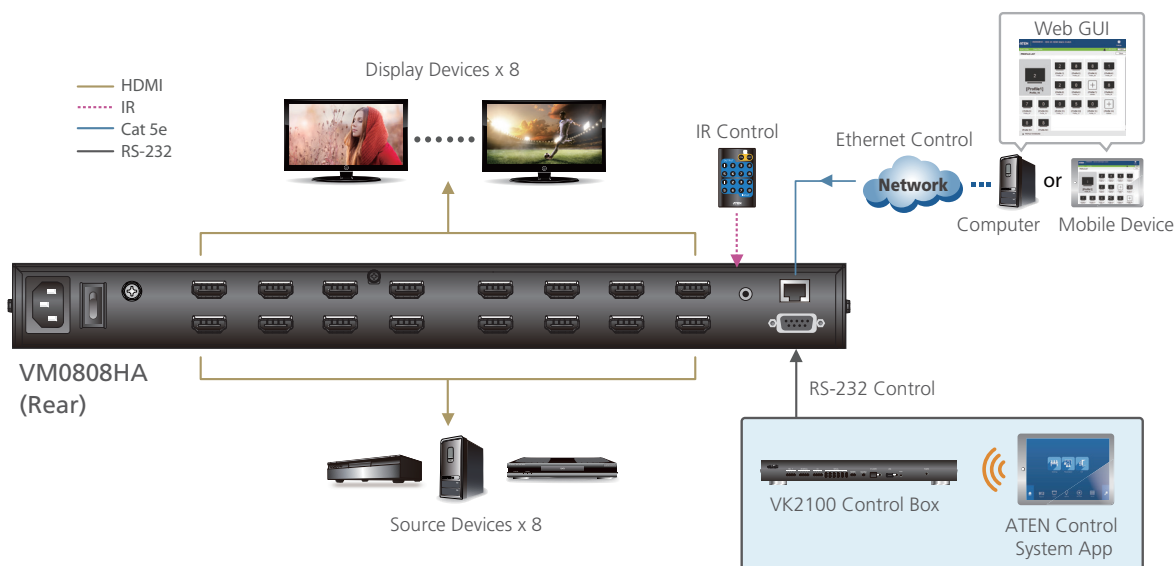
EDID

Front view



Rear view





Features

- Connects any of 8 HDMI sources to any of 8 HDMI displays
- Supports 4K resolutions up to UHD (3840 x 2160) and DCI (4096 x 2160) with refresh rates of 30 Hz (4:4:4) and 60 Hz (4:2:0)
- EDID Expert™ – selects optimum EDID settings for smooth power-up, high-quality display and use of the best video resolution across different screens
- Multiple Control Methods – system management via front-panel pushbuttons, IR remote, RS-232 control, and Ethernet connections (Web GUI)
- Supports Dolby True HD and DTS HD Master audio
- Signaling rates up to 3.4 Gbits for flawless 4K output
- HDMI (3D, Deep Color, 4K) and HDCP 2.2 compatible
- Consumer Electronics Control (CEC) allows interconnected HDMI devices to communicate and respond to a single remote control
- Supports ATEN's LockPro™ HDMI cable lock for secure HDMI cable connections
- ESD protection for HDMI
- Firmware upgradeable
- Rack Mountable (1U design)

Specifications

Function	VM0808HA
Video Input	
Interface	8 x HDMI Type A Female (Black)
Impedance	100 Ω
Max Distance	1.8 m
Video Output	
Interface	8 x HDMI Type A Female (Black)
Impedance	100 Ω
Max Distance	15 m
Video	
Max Data Rate	10.2 Gbps (3.4 Gbps Per Lane)
Max Pixel Clock	340 MHz
Compliance	HDMI (3D, Deep Color, 4K) HDCP 2.2 Compatible Consumer Electronics Control (CEC)
Max Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4)
Max Distance	Up to 15 m
Control	
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)
EDID Settings	EDID Mode: Default / Port1 / Remix / Customized
Power	
Connectors	1 x 3-Prong AC Socket
I/P Rating	100 - 240 VAC; 50 - 60 Hz; 1.0 A
Consumption	110 VAC, 24 W 220 VAC, 24.4 W
Environmental	
Operating Temperature	0° to 40° C
Storage Temperature	-20° to 60° C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	3.86 kg
Dimensions (L x W x H)	43.24 x 26.23 x 4.40 cm

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