

## VM0808HA

8x8 4K HDMI Matrix Switch



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.



### 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)
- View and control via ATEN [Video Matrix](#) Control App in a swift and agile way
- 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)

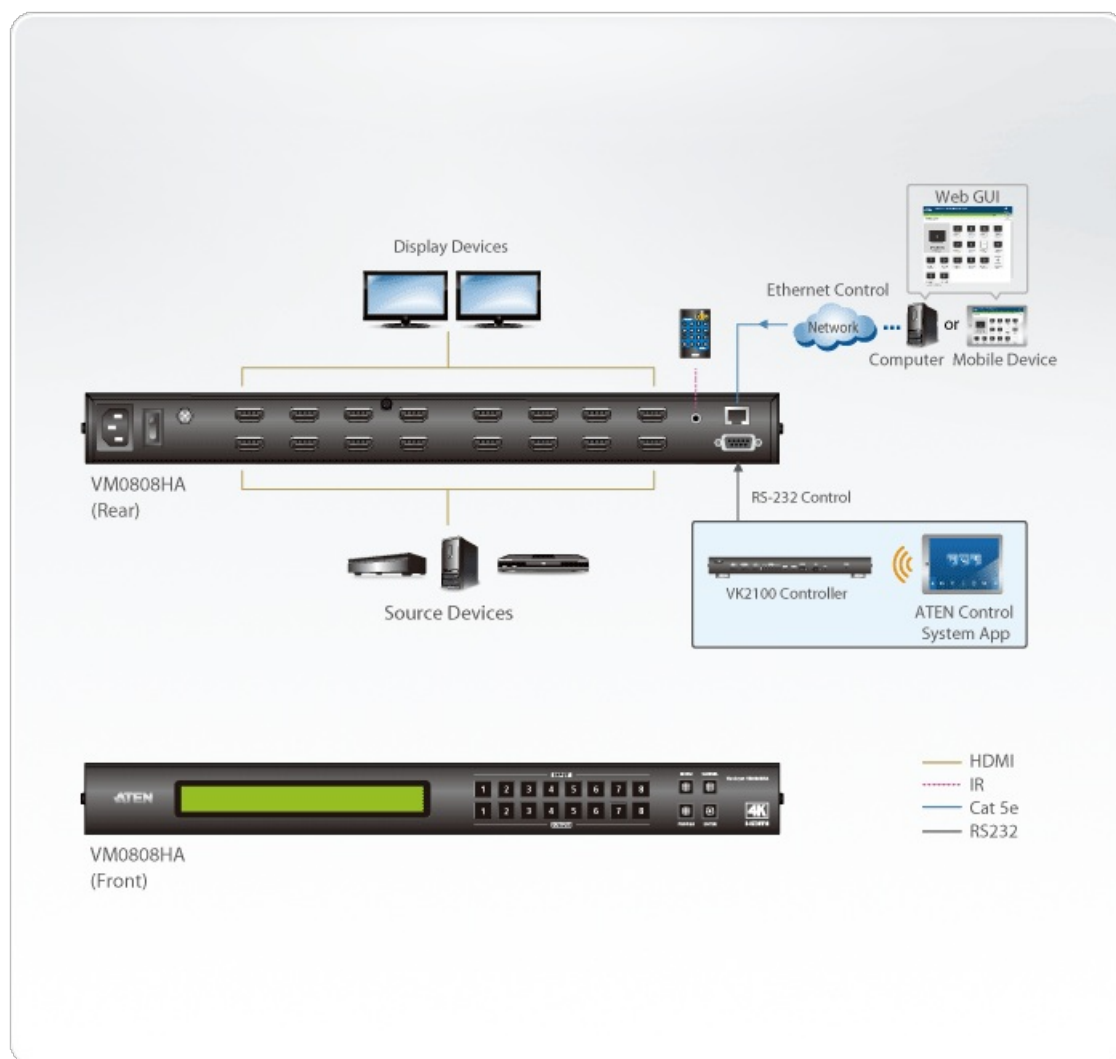
### Specifications

Video Input	
Interfaces	8 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5 m

Video Output	
Interfaces	8 x HDMI Type A Female (Black)
Max. Distance	15 m
Impedance	100 $\Omega$
Video	
Max. Pixel Clock	340 MHz
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Max. Data Rate	10.2 Gbps (3.4 Gbps Per Lane)
Compliance	HDMI (3D, 4K, Deep Color) HDCP 2.2 Compatible Consumer Electronics Control (CEC)
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)
Ethernet	1 x RJ-45 Female
EDID Settings	EDID Mode: Default / Port 1 / Remix / Customized (EDID Wizard Support)
Environmental	
Operating Temperature	0-40°C
Humidity	0 - 80% RH, Non-Condensing
Storage Temperature	-20 - 60°C
Physical Properties	
Weight	3.86 kg ( 8.5 lb )
Housing	Metal
Dimensions (L x W x H)	43.24 x 26.23 x 4.40 cm (17.02 x 10.33 x 1.73 in.)
Connectors	
Power	1 x 3-Prong AC Socket
Carton Lot	1 pc
Power Consumption	AC110V:24W:113BTU AC220V:24.4W:114BTU
Power	

Maximum Input Power Rating	100-240 VAC; 50-60 Hz; 1.0A
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

# Diagram



## ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan

Phone: 886-2-8692-6789 Fax: 886-2-8692-6767

www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.  
 ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.  
 All rights reserved. All other trademarks are the property of their respective owners.