

VM0808H

8x8 HDMI Matrix Switch



The ATEN [VanCryst™](#) VM0808H 8x8 [HDMI Matrix](#) Switch is a distinct HDMI solution that offers an easy and affordable way to route any of 8 HDMI video sources to any of 8 HDMI displays, and view them in any arrangement.

As a matrix switch the VM0808H allows eight HDMI source devices to cross connect to eight HDMI displays at the same time, while independently controlling the output in any array possible, giving you the ultimate flexibility and control in any multi-display HDMI installation.



Features

- Connects any of 8 HDMI sources to any of 8 HDMI displays
- Long Distance Transmission – supports up to 20 meters (24 AWG)
- [HDMI \(3D, Deep Color\) and HDCP compatible](#)
- Consumer Electronics Control (CEC) allows interconnected HDMI devices to communicate and respond to one remote control
- Easily switch between multiple sources and multiple displays
- Front Panel Configuration:
 - Front panel LCD display
 - Tuner Dials and Pushbuttons
 - IR Remote Control
- System Operation:
 - Serial controller
 - Browser Graphical User Interface (GUI)
- Superior video quality – [HDTV](#) resolution of 480p, 720p, 1080i, and 1080p (1920 x 1080), VGA, SVGA, SXGA, UXGA and WUXGA (1920 x 1200)
- Features [EDID](#) Expert technology:
 - [EDID](#) Library with 14 default [EDID](#) configurations
 - Built-in [EDID](#) Mode selection
 - Copies a display's [EDID](#) to selected source devices
- ESD protection for HDMI
- Supports Dolby True HD and DTS HD Master audio
- [Signaling rates up to 2.25 Gbits in support of 1080p display](#)
- [Feature EDID Expert technology to set up different configurations via different EDID modes](#)
- Power on Detection – If an HDMI source is powered off, the VM0808H can automatically switch to the next powered-on source
- Firmware upgradeable
- Rack Mountable

* Note: The VM0808H AP and GUI operation instructions can be downloaded from the ATEN website (www.aten.com)

Specifications

Video Input	
Interfaces	8 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	1.8 m
Video Output	
Interfaces	8 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	15 m
Video	
Max. Data Rate	6.75 Gbps (2.25 Gbps Per Lane)
Max. Pixel Clock	225 MHz
Compliance	HDMI (3D, Deep Color) HDCP 1.4 Compatible Consumer Electronics Control (CEC)
Max. Resolution	Up to 1080p
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
Connectors	
Power	1 x 3-Prong AC Socket
Power	
Maximum Input Power Rating	100-240 VAC; 50-60 Hz; 1.0A
Power Consumption	120 VAC, 32W; 230 VAC, 34W
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal

Weight	4.01 kg (8.83 lb)
Dimensions (L x W x H)	43.24 x 27.12 x 4.40 cm (17.02 x 10.68 x 1.73 in.)
Carton Lot	1 pc
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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