

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)

Specification

| | |
|----------------------------|--|
| 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 Note: <ul style="list-style-type: none"> ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| 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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