
VM0808T

8x8 Cat 5 VGA/Audio Matrix Switch



The VanCryst™ Media Matrix Solution is a combination of the VM0808T 8 x 8 Cat 5 A/V Matrix Switch and the [VE500 / VE300](#) A/V Over Cat 5 Extender. The VM0808T is a Matrix Switch that uses [VE500/VE300](#) extenders to route and distribute audio, video, and RS-232 signals over distances of up to 300 meters with 1280x1024 video resolutions

The VM0808T can receive data from up to 8+1 audio/video sources and transmit data to up to 8+1 audio/video displays. The VM0808T offers several convenient ways to access and control the source devices: locally, with front panel pushbuttons and an RS-232/ RS-485/RS-422 serial port; and remotely, over the Internet with a browser-based web page interface.

The Media Matrix Solution is an ideal solution when long runs to the A/V output locations are required, and where versatility and security are essential. The VM0808T is designed for deployment in environments that involve routing video signals such as those found in casinos, transportation and logistics centers, traffic control centers, port security facilities, industrial supervision settings, etc.

Features

- Connects any of 8 Cat 5 A/V inputs to any of 8 Cat 5 A/V outputs in combination with ATEN [VE500/VE300](#) A/V Over Cat 5 Extender system
- Long signal range – supports up to 300 meters between [VE500T/VE300T](#) transmitters and [VE500R/VE500RQ/ VE300R/VE300RQ](#) receivers
- Easily switch between multiple sources and multiple displays
- Local Operation:
 - Front panel LCD display and pushbuttons
 - Serial controller
- Remote Operation:
 - Browser Graphical User Interface (GUI)
 - Telnet
- Supports additional local input and local display – provides an extra input / output source
- Built-in bi-directional RS-232 serial port for high-end system control
- Supports Video Quality – up to 1920 x 1200@60Hz; DDC2B
- Supports stereo and balanced audio
- Automatic and adjustable video and audio quality
- Independent switching of audio and video sources – any audio source can be connected to any video source for output flexibility
- Firmware upgradeable
- Rack Mountable

* Note: The VM0808T AP and GUI operation instructions can be downloaded from the ATEN website (www.aten.com)

Specification

Video Input	
Interfaces	8 x RJ-45 Female
Impedance	100 Ω

Video Output	
Interfaces	8 x RJ-45 Female
Impedance	100 Ω
Video	
Max. Bandwidth	500 MHz
Max. Resolution	Up to 1920 x 1200 (Depends on connected receiver)
Max. Distance	Up to 300 m (Depends on connected receiver) *The maximum transmission distance between the transmitter and the receiver is 300 m.
Audio	
Input	Balanced: 1 x Captive Screw Connector, 5 Pole Stereo: 1 x Mini Stereo Jack Female (Green)
Output	Balanced: 1 x Captive Screw Connector, 5 Pole Stereo: 1 x Mini Stereo Jack Female (Green)
Control	
RS-232	Connector: 1 x DB-9 Female (Black); 1 x DB-9 Male (Black) Serial Control Pin Configurations: Male: Pin2 = Rx, Pin 3 = Tx, Pin 5 = Gnd Female: Pin2 = Tx, Pin 3 = Rx, Pin 5 = Gnd Baud rate and protocol: Baud Rate: 19200, Data Bits: 8, Stop Bits: 1, Parity: No, Flow Control: No
RS-485/RS-422	Connector: 1 x Captive Screw Connector, 5 Pole
Ethernet	1 x RJ-45 Female
Connectors	
Power	1 x 3-prong AC socket
Power	
Maximum Input Power Rating	100-240 VAC~:50-60 Hz; 1.0A
Power Consumption	AC110V:14.4W:68BTU/h AC220V:15.4W:68BTU/h Note: ● 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	3.50 kg (7.71 lb)
Dimensions (L x W x H)	43.24 x 26.30 x 4.40 cm (17.02 x 10.35 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

