

## 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](http://www.aten.com))

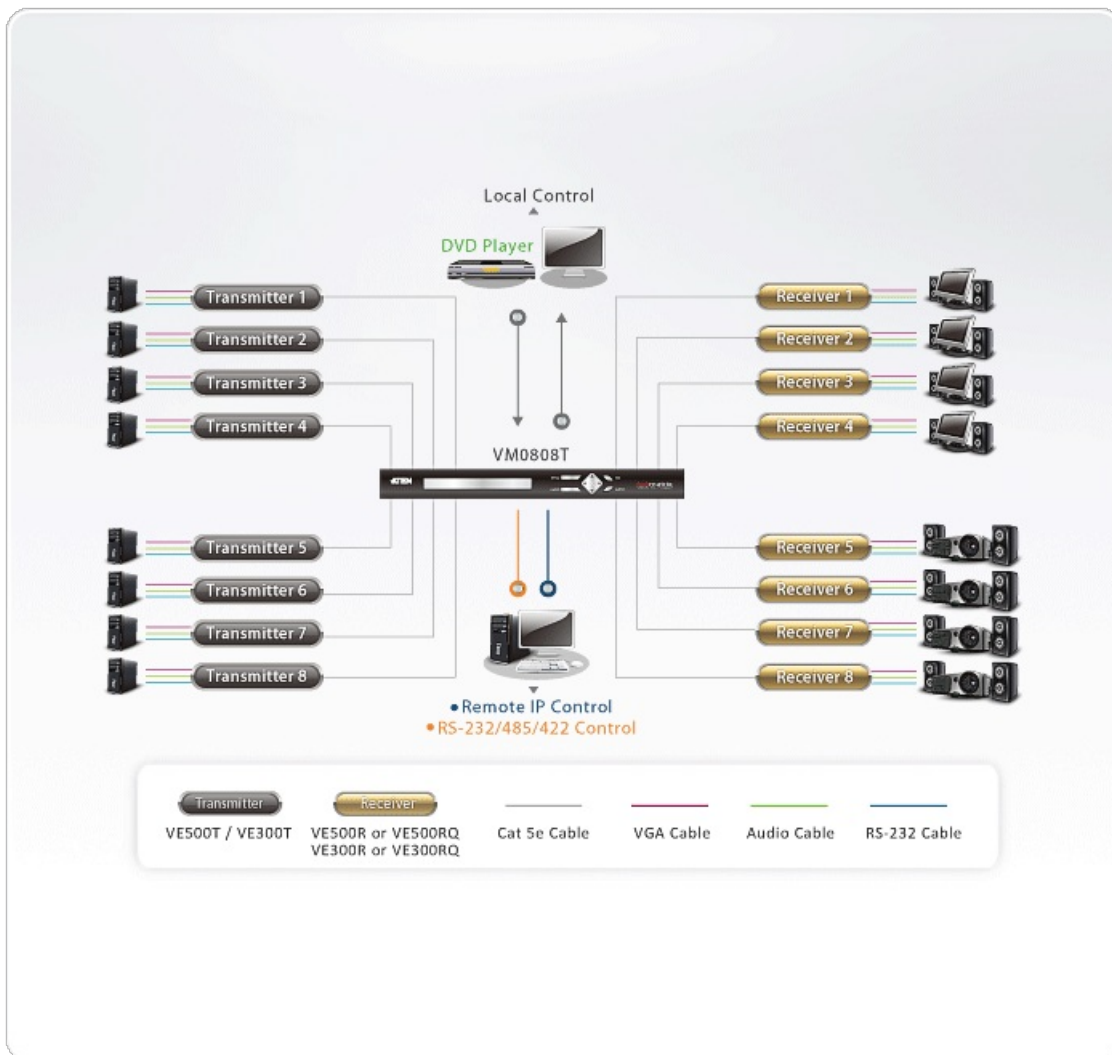
### Specifications

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

|                            |  |
|----------------------------|--|
| Video Output               |  |
| Interfaces                 | 8 x RJ-45 Female   |
| Impedance                  | 100 $\Omega$   |
| 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)<br>*The maximum transmission distance between the transmitter and the receiver is 300 m.   |
| Audio                      |  |
| Input                      | Balanced: 1 x Captive Screw Connector, 5 Pole<br>Stereo: 1 x Mini Stereo Jack Female (Green)   |
| Output                     | Balanced: 1 x Captive Screw Connector, 5 Pole<br>Stereo: 1 x Mini Stereo Jack Female (Green)   |
| Control                    |  |
| RS-232                     | Connector: 1 x DB-9 Female (Black); 1 x DB-9 Male (Black)<br>Serial Control Pin Configurations:<br>Male: Pin2 = Rx, Pin 3 = Tx, Pin 5 = Gnd<br>Female: Pin2 = Tx, Pin 3 = Rx, Pin 5 = Gnd<br>Baud rate and protocol:<br>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<br>AC220V:15.4W:68BTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● 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<br>(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



**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.