Simply Better Connections

VM1616T

16x16 Cat 5 VGA/Audio Matrix Switch

The VanCryst™ Media Matrix Solution is a combination of the VM1616T 16 x 16 Cat 5 A/V Matrix Switch and the VE500/VE300 A/V Over Cat 5 Extender. The VM1616T 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 1920 x 1200 video resolutions.

The VM1616T can receive data from up to 16 audio/video sources and transmit data to up to 16+1 audio/video displays. The VM1616T 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 VM1616T 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 16 Cat 5 A/V inputs to any of 16 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 display – provides an extra 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 quality
- Independent switching of audio and video sources – any audio source can be connected to any video source for output flexibility
- Upgradeable firmware
- Rack Mountable

* Note: The VM1616T AP and GUI operation instructions can be downloaded from the ATEN website (www.aten.com)

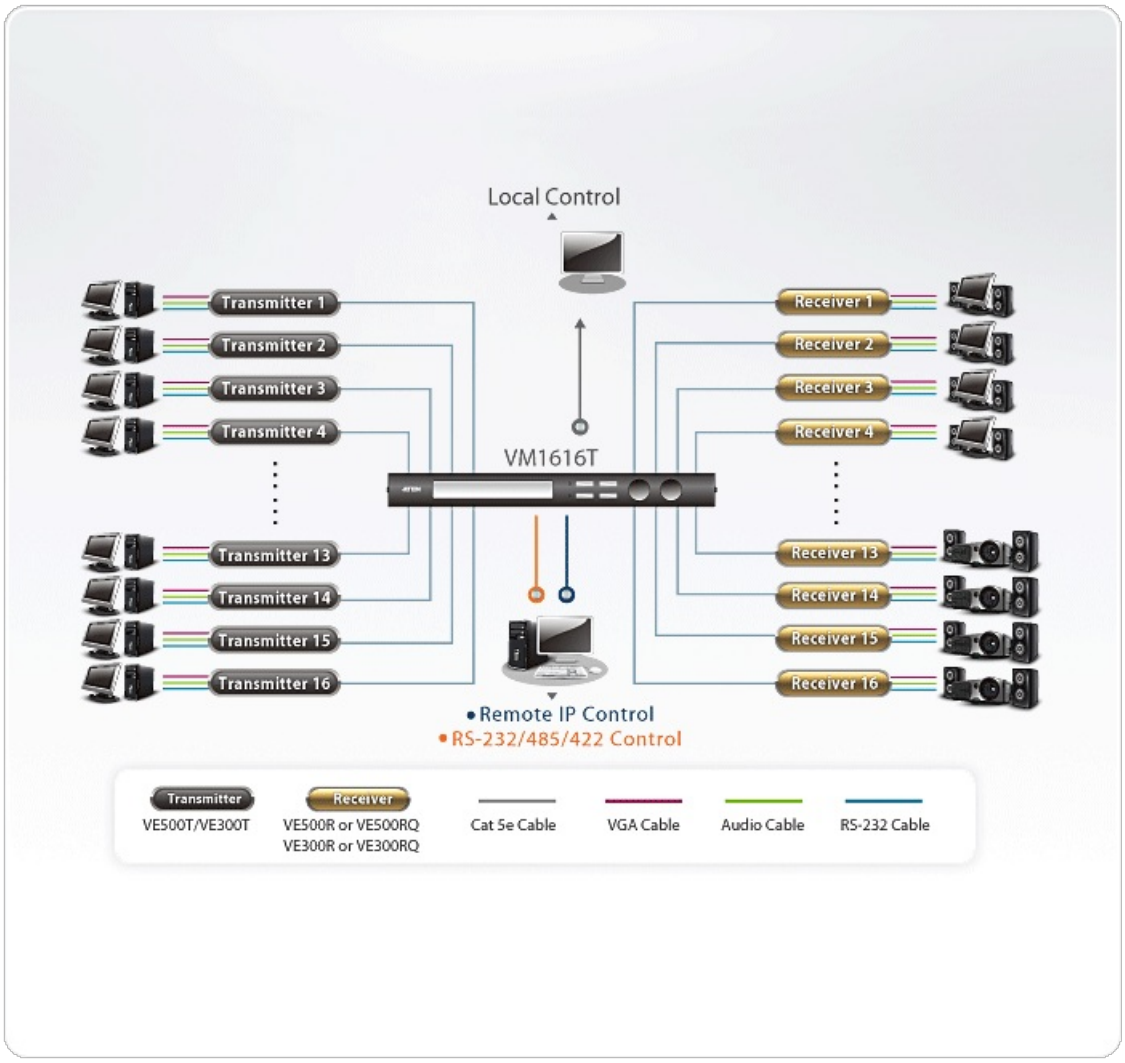
Specification

Video Input	
Interfaces	16 x RJ-45 Female
Impedance	100 Ω

Video Output	
Interfaces	16 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	
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	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:32.4W:152BTU AC220V:35W:164BTU
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	3.63 kg (8 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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