VE500R

VGA/Audio/RS-232 Cat 5 Receiver with Auto Compensation (1280 x 1024@200m)

The VE500R A/V Over Cat 5 Receiver is exclusively designed to integrate seamlessly with the ATEN VM0808T/VM1616T Matrix Switch to extend signals up to 300m from the switch to a display using Cat 5e cables. The VE500 is ideal for installations such as construction sites, factory floors, and control and security centers – where the system equipment can reside in a safe and secure location, while the display is conveniently located in public view.

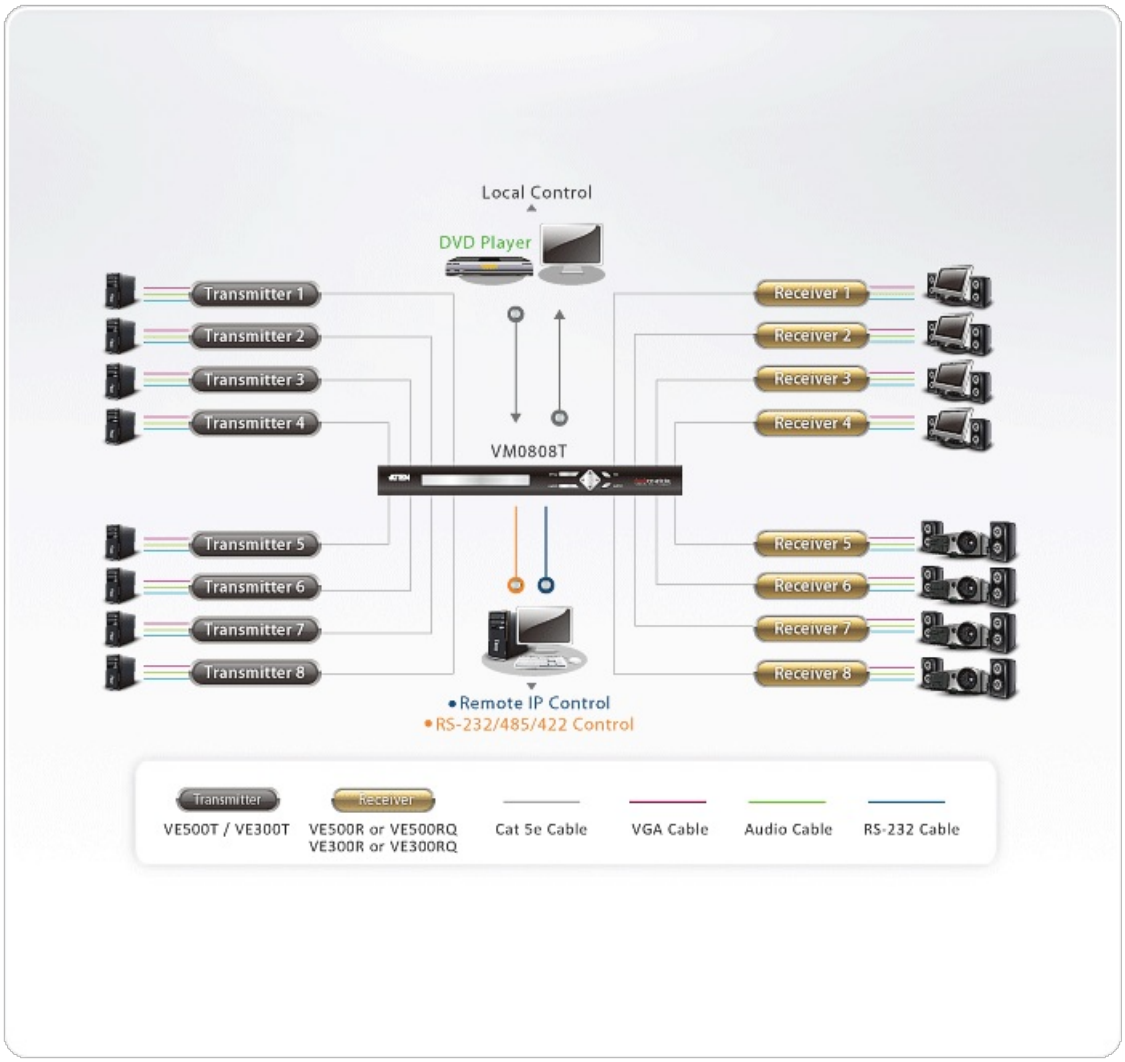
Features

- Long Distance Transmission up to 300 m
- Superior video quality
  •1920x1200 @60Hz (30 m); 1600x1200 @60Hz (150 m)
- Superior audio quality - balanced audio provides flawless long-distance transmission
- Adjustable gain control - manually adjust signal strength to compensate for distance
- Provides RS-232 channel
- Supports wide screen
- Rack Mountable

Specification

Video Output	
Interfaces	1 x HDB-15 Female (Blue)
Impedance	75 Ω
Video	
Max. Bandwidth	300 MHz
Max. Resolutions / Distance	1920 x 1200@30m; 1280 x 1024@200m
Audio Outputs	
Interfaces	Balanced: 1 x Captive Screw Connector, 5 Pole (Green) Stereo: 1 x Mini Stereo Jack Female (Green)
Control	
RS-232	Connector: 1 x DB-9 Male (Black) Serial Control Pin Configurations: Pin2 = Rx, Pin 3=Tx, Pin 5= Gnd
Connectors	
Power	1 x DC Jack (Black)
Power Consumption	5.3 VDC, 4.04W 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	0.48 kg (1.06 lb)
Dimensions (L x W x H)	20.20 x 8.64 x 2.50 cm (7.95 x 3.4 x 0.98 in.)
Carton Lot	5 pcs
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram


Local Control
DVD Player
Transmitter 1
Transmitter 2
Transmitter 3
Transmitter 4
VM0808T
Receiver 1
Receiver 2
Receiver 3
Receiver 4
Transmitter 5
Transmitter 6
Transmitter 7
Transmitter 8
Receiver 5
Receiver 6
Receiver 7
Receiver 8
• Remote IP Control
• RS-232/485/422 Control
Transmitter
VE500T / VE300T
Receiver
VE500R or VE500RQ
VE300R or VE300RQ
Cat 5e Cable
VGA Cable
Audio Cable
RS-232 Cable