

VE500RQ

VGA/Audio/RS-232 Cat 5 Receiver with Auto Deskew (1280 x 1024@300m)



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.

To provide optimum video quality over large distances, the VE500RQ supports RGB delay tuner functionality – allowing you to manually synchronize the RGB signals. It also provides a line synchronization function that corrects color phase and timing errors that occur over long distance transmissions, and stores the settings.

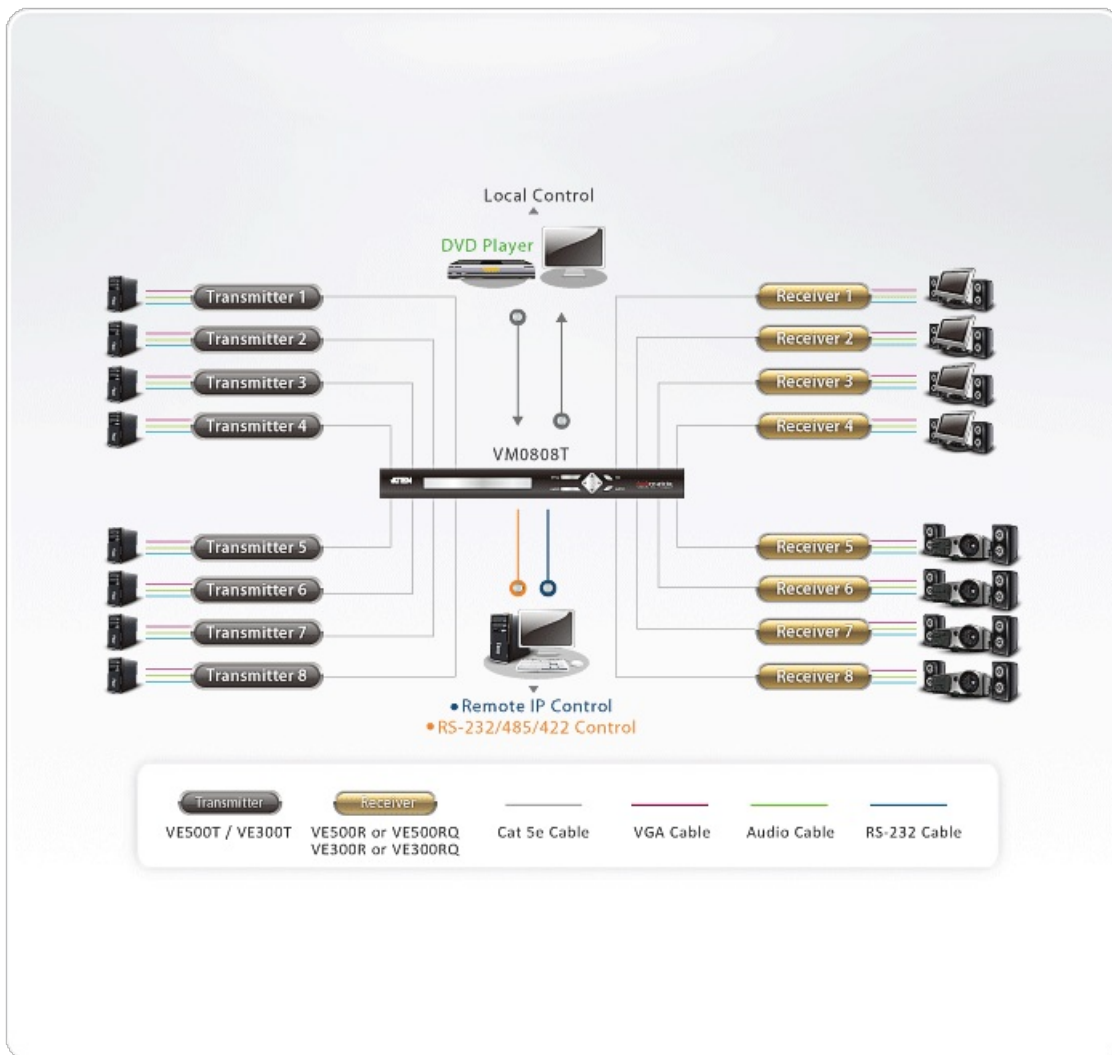
Features

- [Deskew Function](#) – automatically synchronizes the time delay of RGB signals to compensate for distance
- Long Distance Transmission up to 300 m
- Superior video quality
 - 1920x1200 @60Hz (150 m); 1280x1024 @60Hz (300 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@150m; 1280 x 1024@300m |
| 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 |
| Power | Connector: 1 x DC Jack (Black) Consumption: 5.3 VDC, 5.63W |
| 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



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



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