

VE300R

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



The VE300R A/V Over Cat 5 Extender system is designed to integrate seamlessly into installations with the ATEN [VM0808T](#) Cat 5 A/V Matrix Switch. With ATEN's exclusive Deskew technology, the [VE300](#) allows you to extend the distance between the A/V source and the display monitor by up to 500 feet (150 m) with a resolution of 1600x1200 (for the VE300R), or up to 1000 feet (300 m) with a resolution of 1280x1024 (for the VE300RQ).

It is able to accomplish this by means of a local transmitting unit (the [VE300T](#)), connected to the remote receiving unit (either the VE300R or VE300RQ), using Cat 5e twisted pair cable. Because it allows access to the audio/video source over large distances, the [VE300](#) is ideal for installations such as construction sites, factory floors, 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 VE300RQ 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

- Uses Cat 5e cable to connect the Transmitter and Receiver
- Extends A/V source in [VM0808T](#) installations
- Supports one local and one remote displays
- Superior RGB deskew function (VE300RQ)– automatically synchronizes the time delay of RGB signals to compensate for distance
- Long Distance Transmission up to 1000 feet (300 m)
- Superior video quality
- VE300R: 1920x1200@60Hz 100 feet (30 m), 1600x1200@60Hz 500 feet (150 m), 1280x1024@60Hz 650 feet (200 m)
- Automatic and adjustable gain control – adjust signal strength to compensate for distance
- Supports wide screen
- Rack-mountable
- Built-in 8KV/15KV ESD protection

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	Stereo: 1 x Mini Stereo Jack Female (Green)
Connectors	
Power	1 x DC Jack (Black)
Power Consumption	DC5.3V:7.27W:34BTU/h Note: <ul style="list-style-type: none"> ● 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	0.47 kg (1.04 lb)
Dimensions (L x W x H)	20.20 x 8.20 x 2.50 cm (7.95 x 3.23 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



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