

## A/V Over Cat 5 Extender

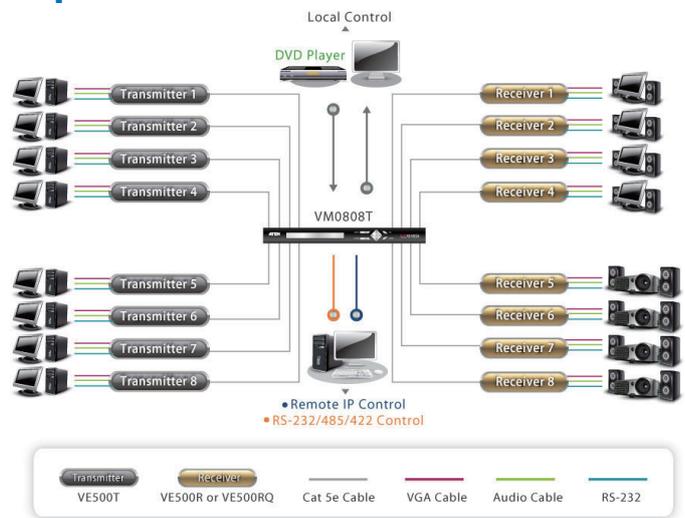
The VE500 A/V Over Cat 5 Extender system is designed to integrate seamlessly into installations with the ATEN VM0808T Cat 5 A/V Matrix Switch. With ATEN's exclusive Deskew technology, the VE500 allows you to extend the distance between the A/V source and the display monitor by up to 150m with a resolution of 1600x1200 (for the VE500R), or up to 300m with a resolution of 1280x1024 (for the VE500RQ).

It is able to accomplish this by means of a local transmitting unit (the VE500T), connected to the remote receiving unit (either the VE500R or VE500RQ), using Cat 5e twisted pair cable. Because it allows access to the audio/video/RS-232 source over large distances, the VE500 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 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.



### Setup



### Features

- Uses Cat 5e cable to connect the Transmitter and Receiver
- **Deskew Function (VE500RQ)– automatically synchronizes the time delay of RGB signals to compensate for distance**
- Long Distance Transmission up to 300m
- Superior video quality  
VE500R: 1920x1200 @60Hz (30 m); 1600x1200 @60Hz (150 m)  
VE500RQ: 1920x1200 @60Hz (150 m); 1280x1024 @60Hz (300 m)
- **Superior audio quality – balanced audio provides flawless long-distance transmission**
- Automatic and adjustable gain control – adjust signal strength to compensate for distance
- Supports one local and one remote displays
- Provides RS-232 channel
- Supports wide screen
- Rack Mountable

### Specifications

Function	VE500T	VE500R	VE500RQ
Video In	1 x HDB-15 Male (Blue)	N/A	
Video Out	1 x HDB-15 Female (Blue)		
Connectors	Audio In	Stereo	1 x Mini Stereo Jack Female (Green)
		Balanced	1 x Captive Screw Connector, 5 pole (Green)
	Audio Out	Stereo	1 x Mini Stereo Jack Female (Green)
		Balanced	1 x Captive Screw Connector, 5 pole (Green)
RS-232	1 x DB-9 Female (Black)	1 x DB-9 Male (Black)	
Unit to Unit	1 x RJ-45 Female		
Power	1 x DC Jack		
Switches	Compensation / Up	N/A	1 x Pushbutton
	Compensation / Down		1 x Pushbutton
	Color / Up		N/A
LEDs	Power	1 (Green)	1 (Green)
	Link	N/A	1 (Orange)
	Picture Compensation	N/A	1 (Blue)
	B	N/A	1 (Blue)
	G / Link	N/A	1 (Green/Orange)
	R / Power	N/A	1 (Red/Green)
Video	N/A	1920x1200 @60Hz (30 m); 1600x1200 @60Hz (150 m)	1920x1200 @60Hz (150 m); 1280x1024 @60Hz (300 m)
	N/A	1920x1200 @60Hz (150 m); 1280x1024 @60Hz (300 m)	1920x1200 @60Hz (150 m); 1280x1024 @60Hz (300 m)
Power Consumption	DC 5.3V/ 2.98W	DC 5.3V/ 4.04W	DC 5.3V/ 5.63W
Environment	Operating Temp.	0–50°C	
	Storage Temp.	-20–60°C	
	Humidity	0–80% RH, Non-condensing	
Physical Properties	Housing	Metal	
	Weight	0.48 kg	
	Dimensions (L x W x H)	20.00 x 8.00 x 2.50 cm	

\* Product specifications and appearance are subject to change without notice.