VE500

VanCryst™
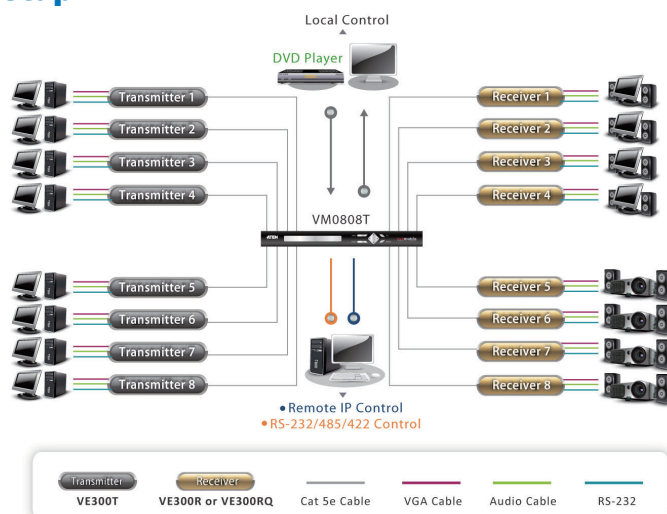Professional A/V Solutions by ATEN

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

Video In HDB-15	Video Out HDB-15	Extension 300 meters	Resolution 1920 x 1200
ATEN Deskew (VE500RQ)	RS-232	Wide Screen Support	Rack Mountable

Audio Speaker — Windows 7

Local Control — DVD Player

Transmitter 1–8 — Receiver 1–8 — VM0808T

• Remote IP Control
• RS-232/485/422 Control

Transmitter VE300T — Receiver VE300R or VE300RQ — Cat 5e Cable — VGA Cable — Audio Cable — RS-232

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
Connectors	Video In	1 x HDB-15 Male (Blue)	N/A	
	Video Out	1 x HDB-15 Female (Blue)		
	Audio In Stereo	1 x Mini Stereo Jack Female (Green)	N/A	
	Audio In Balanced	1 x Captive Screw Connector, 5 pole (Green)		
	Audio Out Stereo	1 x Mini Stereo Jack Female (Green)		
	Audio Out 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	N/A
	Compensation / Down		1 x Pushbutton	
	Color / Up		N/A	1 x Pushbutton
	Select / Down			1 x Pushbutton
LEDs	Power	1 (Green)	1 (Green)	N/A
	Link	N/A	1 (Orange)	
	Picture Compensation		1 (Blue)	
	B		N/A	1 (Blue)
	G / Link			1 (Green/Orange)
	R / Power			1 (Red/Green)
Video		N/A	1920x1200 @60Hz (30 m); 1600x1200 @60Hz (150 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.