VE300

VanCryst™

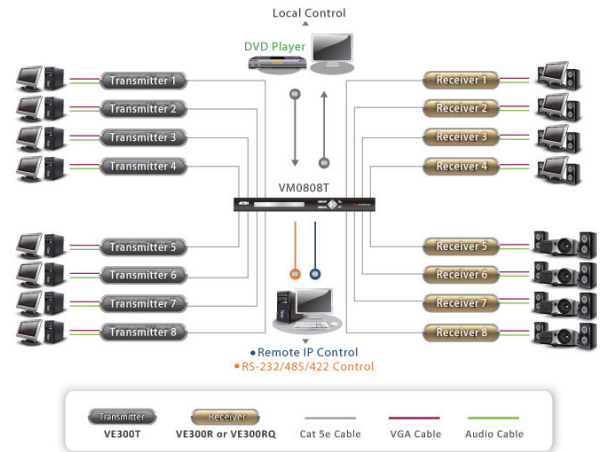Professional A/V Solutions by ATEN

A/V Over Cat 5 Extender

The VE300 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 150m with a resolution of 1600x1200 (for the VE300R), or up to 300m 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.

Setup

| Video Out HDB-15 | Video In HDB-15 | Audio Speaker | Extension 300 meters |
| ATEN Deskew (VE300RQ) | Rack Mountable | Wide Screen Support | Windows 7 |

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 300m
- Superior video quality
  VE300R: 1920x1200@60Hz (30 m), 1600x1200@60Hz (150 m), 1280x1024@60Hz (200 m)
  VE300RQ: 1920x1200@60Hz (150 m), 1280x1024@60Hz (300 m)
- Automatic and adjustable gain control – adjust signal strength to compensate for distance
- Supports wide screen
- Rack-mountable
- Built-in 8KV/15KV ESD protection

Specifications

Function		VE300T	VE300R	VE300RQ
Connectors	Video In	1 x HDB-15 Male (Blue)	N/A	
	Video Out	1 x HDB-15 Female (Blue)		
	Audio In	1 x Mini Stereo Jack Female (Green)	N/A	
	Audio Out	1 x Mini Stereo Jack Female (Green)		
	Unit to Unit	1 x RJ-45 Female		
	Power	1 x DC Jack (Black)		
Switches	Compensation / Up	N/A	1 x Pushbutton	N/A
	Compensation / Down	N/A	1 x Pushbutton	N/A
	Color / Up	N/A	N/A	1 x Pushbutton
	Select / Down	N/A	N/A	1 x Pushbutton
LEDs	Power	1 (Green)	1 (Green)	N/A
	Link	N/A	1 (Orange)	N/A
	Picture Compensation	N/A	1 (Blue)	N/A
	B	N/A	N/A	1 (Blue)
	G / Link	N/A	N/A	1 (Green/Orange)
	R / Power	N/A	N/A	1 (Red/Green)
Power Consumption		DC 5.3V, 2.61W	DC 5.3V, 4.00W	DC 5.3V, 4.32W
Environment	Operating Temp.	0–50°C		
	Storage Temp.	-20–60°C		
	Humidity	0–80% RH, Non-condensing		
Physical Properties	Housing	Metal		
	Weight	0.47 kg	0.47 kg	0.47 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.