VE500

VanCryst™

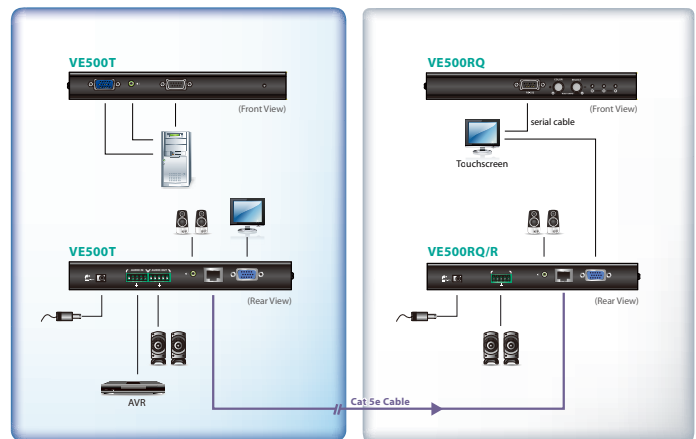Professional A/V Solutions by ATEN

A/V Over Cat 5 Extender

The VE500 A/V Over Cat 5 Extender allows you to extend the distance between a computer system unit and the display monitor by up to 1600x1200@150m (VE500R) and 1280x1024@300m (VE500RQ). It accomplishes this by means of a local transmitting unit (VE500T), and a remote receiving unit (VE500R/VE500RQ), connected by Cat 5e twisted pair cable.

The VE500 A/V Over Cat 5 Extender is ideal for installations where the display needs to reside in public view, but the system equipment can be safely tucked away. The VE500 system is also useful for control and security purposes, where you can have the system unit in a secure area while the display is located in an area that is convenient for viewing.

The VE500RQ also supports RGB delay tuner to manually synchronize the RGB signals. This allows users to deploy system equipment over large distances. The VE500RQ's line synchronizing function corrects color phase and timing errors that occur over long distance transmissions. It also enables you to manually tune the R/G/B signal settings.

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

Windows 7

Setup

VE500T (Front View)

VE500T (Rear View)

AVR

VE500RQ (Front View)

serial cable

Touchscreen

VE500RQ/R (Rear View)

Cat 5e Cable

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
- Adjustable gain control – manually 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	
		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 (Black)		
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.