

# VE500

## A/V Over Cat 5 Extender

- The VE500 A/V Over Cat 5 Extender is exclusively designed to integrate seamlessly with the ATEN VM0808T/VM1616T Matrix Switch. The VE500 allows you to extend the distance between a source device and video display up to 150 m with a resolution of 1600x1200 (VE500R), or up to 300m with a resolution of 1280 x 1024 (VE500RQ).

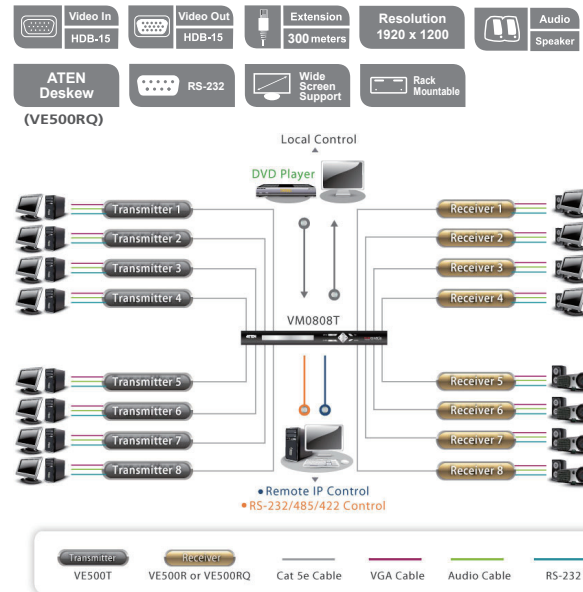
It is able to accomplish this by means of a local transmitting unit (the VE500T), connected to the remote receiving unit (either the VE500R or VE500RQ), using Cat 5e twisted pair cable. Because it allows access to the audio/video/RS-232 source over large distances, the VE500 is ideal for installations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



### 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



### Specification

| 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              |                                                                          |                                                  |  |
| 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                                                                      |                                                  |  |
|                     | G / Link               | 1 (Blue)                 |                                                                          |                                                  |  |
|                     | R / Power              | 1 (Red/Green)            |                                                                          |                                                  |  |
| Video               |                        | N/A                      | 1920x1200 @60Hz (30 m); 1600x1200 @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) | 20.20 x 8.64 x 2.50 cm   |                                                                          |                                                  |  |

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

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