

## HDMI HDBaseT-Lite Receiver with Scaler

### VE805R

The VE805R HDMI HDBaseT-Lite Receiver with Scaler can be combined with ATEN HDMI HDBaseT products to extend a HDMI display up to 60 m from the HDMI source device using a single Cat 5e/6 cable or up to 70 m via a Cat 6a cable.

With a built-in scaler, the VE805R supports scaling the display of different video resolutions. When combined with the ATEN VM8514 HDBaseT Output Board, it supports video wall integration and Seamless Switch™ functions. In addition, the VE805R is equipped with RS-232 and IR signaling pass-through, which allows RS-232 and IR channels to be controlled either from the remote to local unit or from the local to remote unit, for bi-directional control of the source or display device.



Front View



Rear View

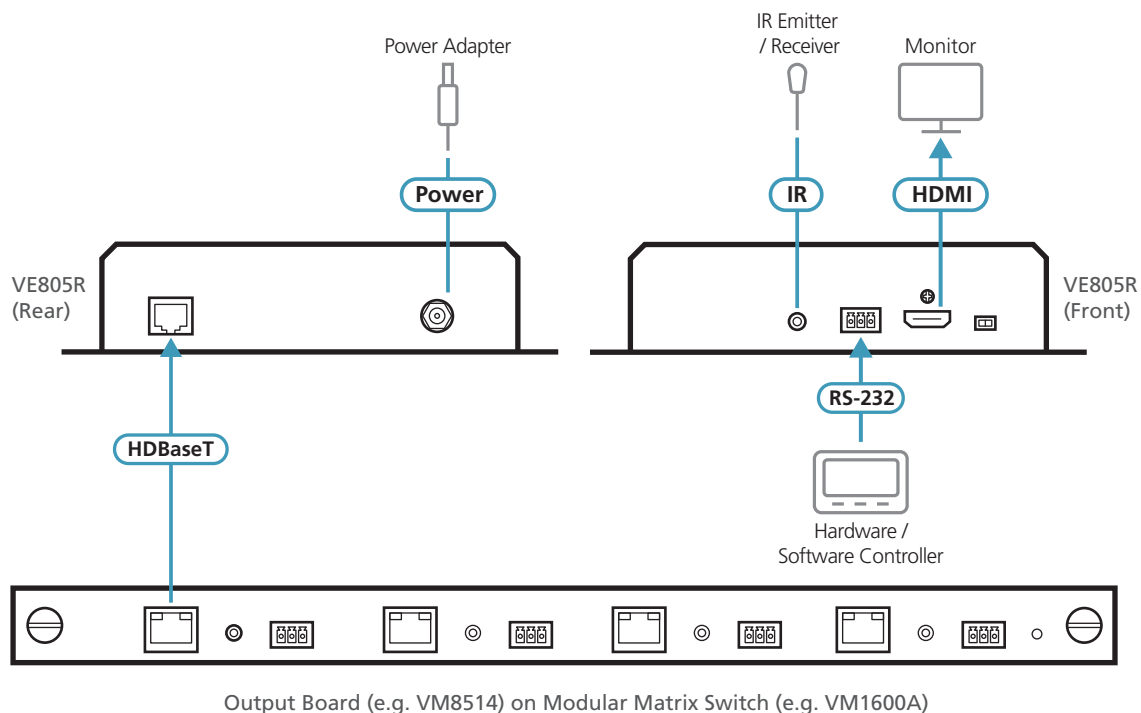


## Features

- HDBaseT connectivity – extends the connection between the VM8514 HDBaseT outputs and an HDMI display over a long distance via single Cat 5e/6/6a cable
- HDBaseT Anti-jamming – resists signal interference during high quality video transmissions using HDBaseT technology
- Bi-directional RS-232 channel<sup>1</sup> – allows you to connect to serial terminals or serial devices, such as touch screens and barcode scanners
- Scaler – features a scaling function to integrate a video wall seamlessly with various output formats
- Seamless Switch™ – close-to-zero second switching that provides continuous video streams, real-time switching and stable signal transmissions<sup>2</sup>
- Video Wall – features configurable Video Wall profiles available for custom screen layouts via simple point-n-click web GUI<sup>2</sup>
- Bi-directional IR channel – IR transmission is processed one direction at a time<sup>3</sup>
- Rack-mountable

### Note:

1. Bi-directional RS-232 channel only available when VE805R is used with the VM8514.
2. The Seamless Switch™ and Video Wall functions are available when the VE805R is used with the VM8514.
3. Supports full frequency IR signals from 30KHz to 60KHz; however the IR receiver cable included with the package only supports 30KHz to 56 KHz.



# Specifications

|                             | VE805R                                                             |
|-----------------------------|--------------------------------------------------------------------|
| <b>Video Input</b>          |                                                                    |
| Interfaces                  | 1 x RJ-45 Female (Silver)                                          |
| Impedance                   | 100 $\Omega$                                                       |
| <b>Video Output</b>         |                                                                    |
| Interfaces                  | 1 x HDMI Type A Female (Black)                                     |
| Impedance                   | 100 $\Omega$                                                       |
| Max. Distance               | 3 m                                                                |
| <b>Video</b>                |                                                                    |
| Max. Data Rate              | 6.75 Gbps (2.25 Gbps per lane)                                     |
| Max. Pixel Clock            | 225 MHz                                                            |
| Compliance                  | HDMI (3D, Deep Color)<br>HDCP 1.4 Compatible<br>HDBaseT Compatible |
| Max. Resolutions / Distance | Up to 1080p @ 60 m (Cat 5e/6); 70 m (Cat 6a)                       |
| <b>Control</b>              |                                                                    |
| RS-232                      | 1 x Captive Screw Connector, 3 Pole                                |
| IR                          | 1 x Mini Stereo Jack Female (Black)                                |
| <b>Connectors</b>           |                                                                    |
| Power                       | 1 x DC Jack (Sliver)                                               |
| <b>Switches</b>             |                                                                    |
| Firmware Upgrade            | 1 x Slide Switch                                                   |
| <b>Power Consumption</b>    |                                                                    |
|                             | DC5V: 8.36W                                                        |
| <b>Environmental</b>        |                                                                    |
| Operating Temperature       | 0 – 50 °C                                                          |
| Storage Temperature         | -20 – 60 °C                                                        |
| Humidity                    | 0 – 80% RH, Non-Condensing                                         |
| <b>Physical Properties</b>  |                                                                    |
| Housing                     | Metal                                                              |
| Weight                      | 0.81 kg                                                            |
| Dimensions (L x W x H)      | 17.74 x 16.92 x 4.20 cm                                            |

