

# VE805R

## HDMI HDBaseT-Lite Receiver with Scaler

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

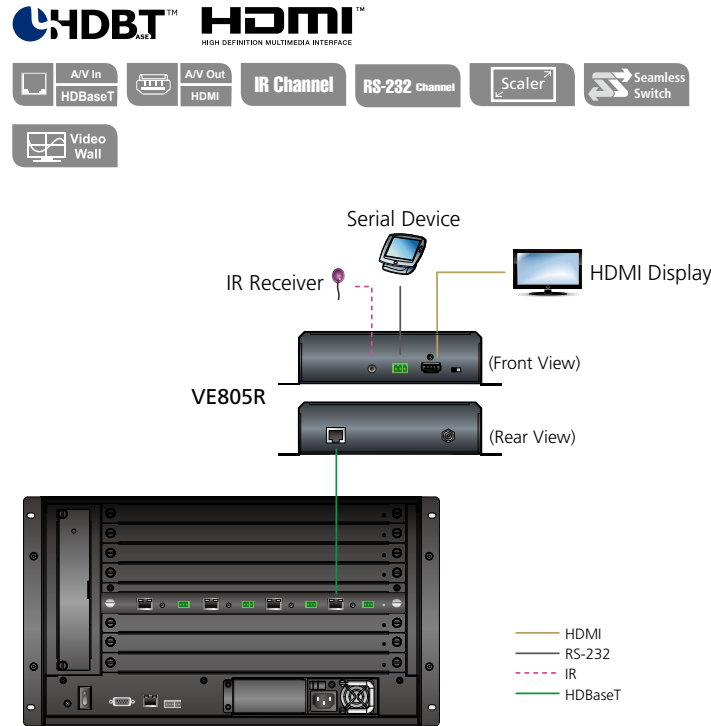
With a built-in scaler, the VE805R supports scaling the display of different video resolutions. When combined with the ATEN VM8514 HDBaseT Output Board, it supports video wall integration and Seamless Switch™ functions. In addition, the VE805R is equipped with RS-232 and IR signaling pass-through, which 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.



### Features

- HDBaseT Connectivity – extends the connection between the VM8514 HDBaseT outputs and an HDMI display over a long distance via single Cat 5e/6a cable
- HDBaseT Anti-jamming – resists signal interference during high quality video transmissions using HDBaseT technology
- Bi-directional RS-232 channel – 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\*
- Video Wall – features configurable video wall profiles available for custom screen layouts via simple point-n-click web GUI\*
- Bi-directional IR channel – IR transmission is processed one direction at a time\*\*
- Rack-mountable

**Note:** \* The Seamless Switch™ and video wall functions are available when the VE805R is used with the VM8514.  
 \*\* Supports full frequency IR signals from 30KHz to 60KHz; however the IR receiver cable included with the package only supports 30KHz to 56 KHz.



### Specification

Function		VE805R
Video Input	Interface	1 x RJ-45 Female (Silver)
	Impedance	100 Ω
Video Output	Interface	1 x HDMI Type A Female (Black)
	Impedance	100 Ω
Video	Max Data Rate	6.75 Gbps (2.25 Gbps per lane)
	Max Pixel Clock	225 MHz
	Compliance	HDMI (3D, Deep Color) HDCP1.4; HDBaseT Compatible
	Max Resolution / Distance	Up to 1080p @60m (Cat 5e/6); 70m (Cat 6a)
Control	RS-232	Connector: 1 x Captive Screw Connector, 3 Pole
	IR	1 x Mini Stereo Jack Female (Black)
Power		Connector: 1 x DC Jack (Silver); Consumption: 5 VDC, 9.5W
Environment	Operating Temp.	0–40 °C
	Storage Temp.	-20–60 °C
	Humidity	0–80% RH, Non-condensing
Physical Properties	Housing	Metal
	Weight	0.83 kg
	Dimensions (L x W x H)	18.18 x 16.92 x 4.20 cm

