

## VE805R

HDMI HDBaseT-Lite Receiver with Scaler (1080p@70m)  
(HDBaseT Class B)



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

- Extends HDMI, RS-232, and IR signals up to 70 m over a single Cat 5e/6a cable
- HDMI (3D, Deep Color) ; HDCP 1.4 compliant
- Superior video quality – 1080p@60m (Cat 5e/6); 70m (Cat 6a)
- Scaler – scales videos of different resolutions to their optimal output for display and to avoid black screen\*
- Video Wall – features video wall profiles that allows for custom screen layouts via an intuitive web GUI\*\*
- Seamless Switch™ – close-to-zero second switching that provides continuous video streams, real-time switching, and stable signal transmissions\*\*
- HDBaseT Anti-jamming – resists signal interference during high-quality video transmissions using HDBaseT technology
- Bi-directional RS-232 channel – allows for control using serial terminals or serial devices, such as touch screens and barcode scanners
- Bi-directional IR channel – IR transmission is processed one direction at a time\*\*\*
- Firmware upgradeable
- Built- in 8KV / 15 KV ESD protection
- Plug-and-play
- Rack-mountable

Note:

1. Videos may not display within range when Seamless Switch™ or Video Wall is enabled, in which case please adjust the display settings on your device.
2. The Seamless Switch™ and video wall functionalities are available when the VE805R is used with ATEN HDBaseT Matrix. For further information, please see the compatible list below
3. Supports full-frequency IR signals from 30 KHz to 56 KHz.

## Specification

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(HDBaseT Class B)

Video Input	
Interfaces	1 x RJ-45 Female (Silver)
Impedance	100 $\Omega$
Video Output	
Interfaces	1 x HDMI Type A Female (Black)
Impedance	100 $\Omega$
Video	
Max. Data Rate	6.75 Gpbs (2.25 Gpbs per lane)
Max. Pixel Clock	225 MHz
Compliance	HDMI (3D, Deep Color) HDCP 1.4 Compatible HDBaseT Compatible
Max. Resolutions / Distance	Up to 1080p @60m (Cat 5e/6); 70m (Cat 6a)
Control	
RS-232	1 x Captive Screw Connector, 3 Pole
IR	1 x Mini Stereo Jack Female (Black)
Switches	
Firmware Upgrade	1 x Slide Switch
Connectors	
Power	1 x DC Jack (Silver)
Power Consumption	DC5V:8.36W:39BTU
Environmental	
Operating Temperature	0 - 50°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.81 kg ( 1.78 lb )

Dimensions (L x W x H)	17.74 x 16.92 x 4.20 cm (6.98 x 6.66 x 1.65 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

**Diagram**



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