

VE814

HDMI Extender over single Cat 5 with Dual Display

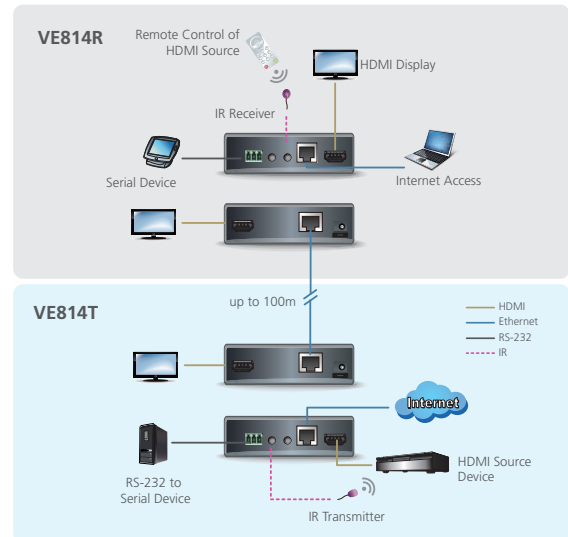
- ATEN's latest offering delivers high quality videos in dual displays over distance. With the VE814 HDMI Extender, your HDMI displays can be located up to 100 meters away from the HDMI source device. This is made possible using only one Cat 5e/6 cable, which is cheap and easily available. In addition, your video can be streamed using up to three HDMI displays – dual displays connected to the receiving unit (VE814R) and another one to the transmitter unit (VE814T).

The VE814 carries an Ethernet pass-through port for Internet connectivity, making it easy to go online when necessary. It supports RS-232 and IR signaling pass-through, allowing you to control the HDMI source device from the remote unit (VE814R) while also granting access to the HDMI display device from the local unit (VE814T). The VE814 is HDMI (3D, Deep Color, 4K) and HDCP compatible, ensuring superior video quality so that you get the most out of your HDMI displays.



Features

- Extends the distance between HDMI source and HDMI display
- Implements HDBaseT extension technology using only one Cat 5 cable to connect the transmitter and receiver
- Anti-jamming - resists signal interference during high-quality video transmissions using HDBaseT technology.
- Supports one local and two remote displays
- Supports two IR channels for bi-directional IR signal transmission
- Extends Ethernet communication with pass-through port
- HDMI (3D, Deep Color, 4K); HDCP Compatible
- Long distance transmission – up to 100 m
- Supports widescreen
- Supports resolutions of up to Ultra HD 4K and 1080p Full HD
- Supports up to 340 MHz bandwidth for high performance video
- Signaling rates up to 3.4Gbits
- EDID Expert – selects the optimum EDID settings for smooth power-up and highest quality display
- RS-232 Serial Port for serial device peripherals, such as touch screens, barcode scanners, and so on
- Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15 KV)
- Easy to install – no software required
- Rack Mountable



Specifications

Function	VE814T	VE814R
Video Input		
Interface	1 x HDMI Type A Female (Black)	N/A
Impedance	100 Ω	
Max. Distance	1.8 m	
Video Output		
Interface	1 x HDMI Type A Female (Black)	2 x HDMI Type A Female (Black)
Impedance	100 Ω	
Video		
Max. Data Rate	10.2 Gbps (3.4 Gbps Per Lane)	
Max. Pixel Clock	Up to 340 MHz	
Compliance	HDMI (3D, Deep Color, 4K); HDCP Compatible Consumer Electronics Control (CEC)	
Max. Resolutions / Distance	Up to 4K@70m (Cat 5e/6) / 100m (cat 6a); 1080p@100m *4K Supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	
Audio		
Input	1 x HDMI Type A Female (Black)	N/A
Output	1 x HDMI Type A Female (Black)	2 x HDMI Type A Female (Black)
Control		
RS-232	1 x Terminal Block, 3 Pole	
IR	2 x Mini Stereo Jack Female (Black)	
Ethernet	1 x RJ-45 Female	
Power		
Connectors	1 x DC Jack	
Consumption	5.3 VDC, 8.5W	5.3 VDC, 13.3W
Environmental		
Operating Temperature	0-50°C	
Storage Temperature	-20 - 60°C	
Humidity	0 - 80% RH, Non-Condensing	
Physical Properties		
Housing	Metal	
Weight	0.45 kg	0.45 kg
Dimensions (L x W x H)	14.17 x 10.30 x 3.00 cm	14.17 x 10.30 x 3.00 cm

