VE802

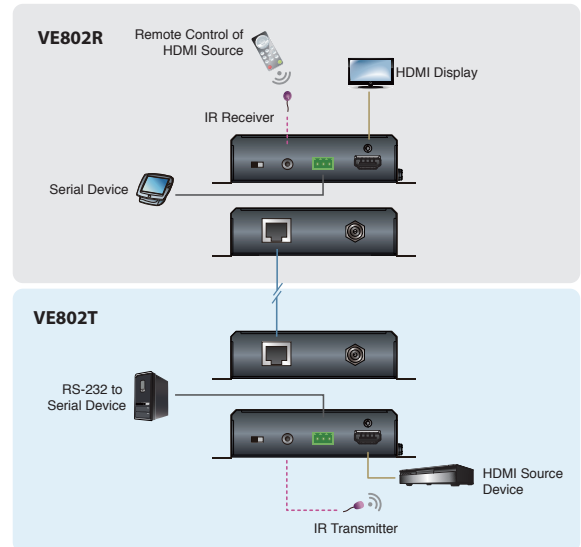## HDMI HDBaseT-Lite Extender with POH

The VE802 HDMI HDBaseT-Lite Extender extends an HDBaseT signal up to 70m from the HDBaseT source using one Cat 5e/6/6a cable. VE802 supports RS-232 and IR signaling pass-through, allowing you to control the HDMI source device from the remote unit (VE802R) while also granting access to the HDMI display device from the local unit (VE802T). IR signals can also be extended in both directions. The VE802 features Power over HDBaseT (POH) which can send power over Cat 5e/6/6a cable without an additional power supply. The VE802 is HDMI (3D, Deep Color,4k) and HDCP compatible. The VE802 is perfect for a digital entertainment center or any installation that requires superior video quality.

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE
HDBT BaseT

A/V In HDMI | A/V Out HDMI | 4kx2k | POH | RS-232 Channel | IR Channel

Features

- HDBaseT Connectivity – extends an HDMI connection over a long distance via one Cat 5e/6/6a cable
- HDBaseT Anti-jamming – resists signal interference during high-quality video transmission using HDBaseT technology
- POH (Power over HDBaseT) – supplies power from Transmitter to Receiver over a long distance via one Cat 5e/6/6a cable
- Bi-directional RS-232 channel – allows you to connect to 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
- Rack- Mountable

Specifications

Function	VE802T	VE802R
Video Input		
Interface	1 x HDMI Type A Female (Black)	N/A
Impedance	100Ω	
Max. Distance	1.8 m	
Video Output		
Interface	N/A	1 x HDMI Type A Female (Black)
Impedance	100Ω	
Video		
Max. Data Rate	10.2Gbps (3.4Gbps per lane)	
Max. Pixel Clock	340 MHz	
Compliance	HDMI (3D, Deep Color, 4K); HDCP Compatible Consumer Electronics Control (CEC)	
Max. Resolutions / Distance	Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a); 1080p@60m (Cat 5e/6) / 70m (Cat 6a) ***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	N/A	1 x HDMI Type A Female (Black)
Control		
RS-232	**Connector:** 1 x Terminal Block, 3 pole **Baud Rate:** 19200, Data Bits:8, **Stop Bits:**1, no parity and flow control	
IR	1 x Mini Stereo Jack Female (Black)	
Power		
Connectors	1 x DC Jack (Black) with locking	
Consumption	DC5V, 3.6W	DC5V, 4W
Environmental		
Operating Temperature	0 - 50°C	
Storage Temperature	-20 - 60°C	
Humidity	0 - 80% RH, Non-Condensing	
Physical Properties		
Housing	Metal	
Weight	0.44kg	0.46kg
Dimensions (L x W x H)	14.49 x 12.30 x 3.00 cm	14.49 x 12.30 x 3.00 cm

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