

VE802

HDMI HDBaseT-Lite Extender with PoH (4K@40m) (HDBaseT Class B)



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 passthrough, 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.







Features

- HDBaseT Connectivity extends an HDMI connection over a long distance via one Cat 5e/6/6a cable
 Superior video quality up to 4K@35m (Cat 5e/6) / 40m (Cat 6a or ATEN 2L-2910 Cat 6 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

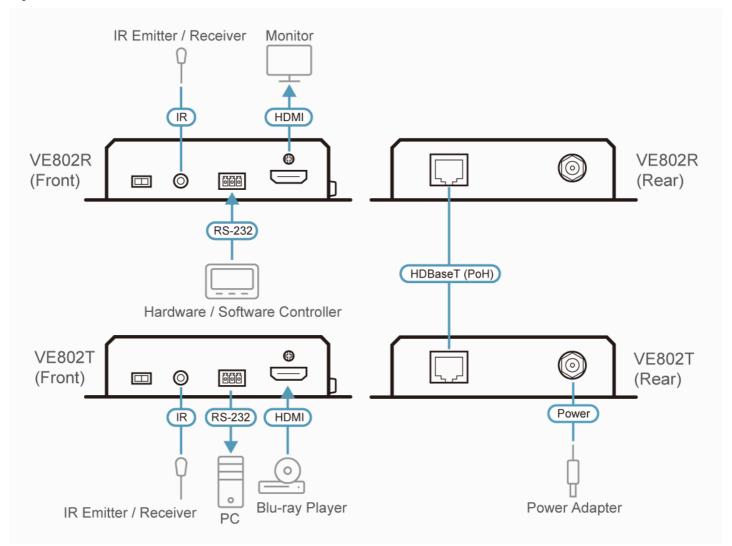
Function	VE802R	VE802T	
Video Input			
Interfaces	N/A	1 x HDMl Type A Female (Black)	
Impedance	N/A	100 Ω	
Max. Distance	N/A	3 m	
Video Output			
Interfaces	1 x HDMI Type A Female (Black)	N/A	
Impedance	100 Ω	N/A	
Max. Distance	3 m	N/A	
Video			
Max. Data Rate	10.2Gbps (3.4Gbps per lane)	10.2Gbps (3.4Gbps per lane)	
Max. Pixel Clock	340 MHz	340 MHz	
Compliance	HDMI (3D, Deep Color, 4K) HDCP2.2 Compatible Consumer Electronics Control (CEC)	HDMI (3D, Deep Color, 4K) HDCP2.2 Compatible Consumer Electronics Control (CEC)	



Max. Resolutions /	Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6)	Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6)	
Distance	*4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0);	*4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0);	
	4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	
Audio			
Input	N/A	1 x HDMI Type A Female (Black)	
Output	1 x HDMI Type A Female (Black)	N/A	
Control			
RS-232	Connector: 1 x Terminal Block, 3 pole Baud Rate: 19200, Data Bits:8, Stop Bits:1, no parity and flow control	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)	1 x Mini Stereo Jack Female (Black)	
Connectors			
Power	1 x DC Jack (Black) with locking or 1 x RJ-45 (Power Over HDBaseT, POH)	1 x DC Jack (Black) with locking	
Unit To Unit	1 x RJ-45 Female	1 x RJ-45 Female	
Power Consumption	DC5V:4.37W:20BTU POH:5.46W:25BTU	DC5V:2.7W:13BTU	
	Note: The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.	Note: The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.	
Environmental			
Operating Temperature	0 - 50°C	0 - 50°C	
Storage Temperature	-20 - 60°C	-20 - 60°C	
Humidity	0 - 80% RH, Non-Condensing	0 - 80% RH, Non-Condensing	
Physical Properties			
Housing	Metal	Metal	
Weight	0.46 kg (1.01 lb)	0.44 kg (0.97 lb)	
Dimensions (L x W x H) with bracket	14.04 x 12.30 x 3.00 cm (5.53 x 4.84 x 1.18 in.)	14.04 x 12.30 x 3.00 cm (5.53 x 4.84 x 1.18 in.)	
Dimensions (L x W x H) without bracket	13.60 x 10.10 x 2.90 cm (5.35 x 3.98 x 1.14 in.)	13.60 x 10.10 x 2.90 cm (5.35 x 3.98 x 1.14 in.)	



Diagram



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