

VE812

HDMI HDBaseT Extender (4K@100m)
(HDBaseT Class A)



The VE812 HDMI HDBaseT Extender enables an HDMI display to be located up to 100 meters away from the source device. It can be conveniently extended using only one Cat 5e cable, which is cost-effective.

The VE812 supports HDMI (3D, Deep Color), Ultra HD (4k x 2k), and is HDCP compatible. Furthermore, the remote EDID pass-through ensures optimum video quality for any HDMI display.

The VE812 is perfect for the meeting room, home theater or any installation that needs long distance transmission and superior video quality.



Features

- Extends the distance between HDMI source and HDMI display
- Implements HDBaseT extension technology using only one Cat 5e cable to connect the transmitter and receiver
- HDMI (3D, Deep Color, 4kx2k); HDCP Compatible
- Anti-jamming – resists signal interference during high-quality video transmission using HDBaseT technology
- Long distance transmission - up to 100m
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD
- Supports up to 340MHz bandwidth for high performance video
- Supports Dolby True HD and DTS HD Master Audio
- Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15 KV)

Specification

Function	VE812R	VE812T
Video Input		
Interfaces	N/A	1 x HDMI 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	10.2 Gbps (3.4 Gbps Per Lane)	10.2 Gbps (3.4 Gbps Per Lane)
Max. Pixel Clock	Up to 340 MHz	Up to 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 / 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)	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	N/A	1 x HDMI Type A Female (Black)
Output	1 x HDMI Type A Female (Black)	N/A
Connectors		
Power	1 x DC Jack	1 x DC Jack
Power Consumption	DC5.3V:5.06W:24BTU 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.	DC5.3V:2.22W:10BTU 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	0.41 kg (0.9 lb)	0.40 kg (0.88 lb)
Dimensions (L x W x H)	14.17 x 10.30 x 3.00 cm (5.58 x 4.06 x 1.18 in.)	14.17 x 10.30 x 3.00 cm (5.58 x 4.06 x 1.18 in.)
Carton Lot	5 pcs	5 pcs
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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