

## VE813

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



The VE813 HDMI HDBaseT Extender is an HDMI and USB Extender that supports HDBaseT and patented ExtremeUSB® technology. The VE813 can extend HDMI and USB 2.0 signal up to 100 meters from the HDMI source using a single Ethernet cable. The VE813 supports HDMI features such as 3D, Deep Color, 4k2k, CEC and HDCP. It is equipped with USB connectors that provide touch panel control and file transfer functionality. The extender is also great for syncing files and folders between portable and desktop computers. The VE813 is ideal for medical imaging and digital signage.



### Features

- Extends HDMI signals up to 100 m
- Superior video quality - up to 4K@70m (Cat 5e/6) / 100m (cat 6a/ATEN [2L-2910](#) Cat 6)
- Anti-jamming – resists signal interference during high quality video transmissions using HDBaseT technology
- Supports Dolby True HD and DTS HD Master Audio
- ExtremeUSB® - supports transparent USB 2.0 signals and true plug-and-play (no software or drivers required)
- Supports USB 1.1 web cameras
- USB 2.0 Support\* – connects devices such as keyboard, mouse, flash drive, printer, touch panel and other USB devices which require moderate amounts of bandwidth
- Built-in 8KV/15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)
- Works with all major operating systems: Windows®, OS X®, and Linux®
- Rack-mountable

\* Note: The VE813 supports a maximum combined USB transfer rate of 30 Mbps for attached USB devices.

### Specification

Function	VE813R	VE813T
Video Input		
Interfaces	-	1 x HDMI Type A Female (Black)
Impedance	-	100 Ω
Max. Distance	-	1.8 m

Video Output		
Interfaces	1 x HDMI Type A Female (Black)	-
Impedance	100 $\Omega$	-
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) HDCP Compatible Consumer Electronics Control (CEC)	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)	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)
Output	1 x HDMI Type A Female (Black)	-
Control		
USB Channel	3 x USB Type A Female Transfer Rate: USB 2.0 (Up to 30 Mbps)	1 x USB Type B Female Transfer Rate: USB 2.0 (Up to 30 Mbps)
Connectors		
Power	1 x DC Jack	1 x DC Jack
Power Consumption	DC5V:5.75WBTU/h  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.	DC5V:5.75WBTU/h  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	0.62 kg ( 1.37 lb )	0.61 kg ( 1.34 lb )

Dimensions (L x W x H)	18.20 x 11.61 x 2.87 cm (7.17 x 4.57 x 1.13 in.)	18.20 x 11.61 x 2.87 cm (7.17 x 4.57 x 1.13 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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