VB800

True 4K HDMI Booster (4K@10m)

The VB800 is a True 4K HDMI booster providing a solution for long distance transmission. The HDMI booster reliably extends True 4K signals and can be cascaded up to 10 levels, guaranteeing ultimate color and image quality. The VB800 is HDMI compliant and supports all HDMI-enabled devices. The booster can be rack mounted, offering excellent flexibility for managing both work and home settings.

Features

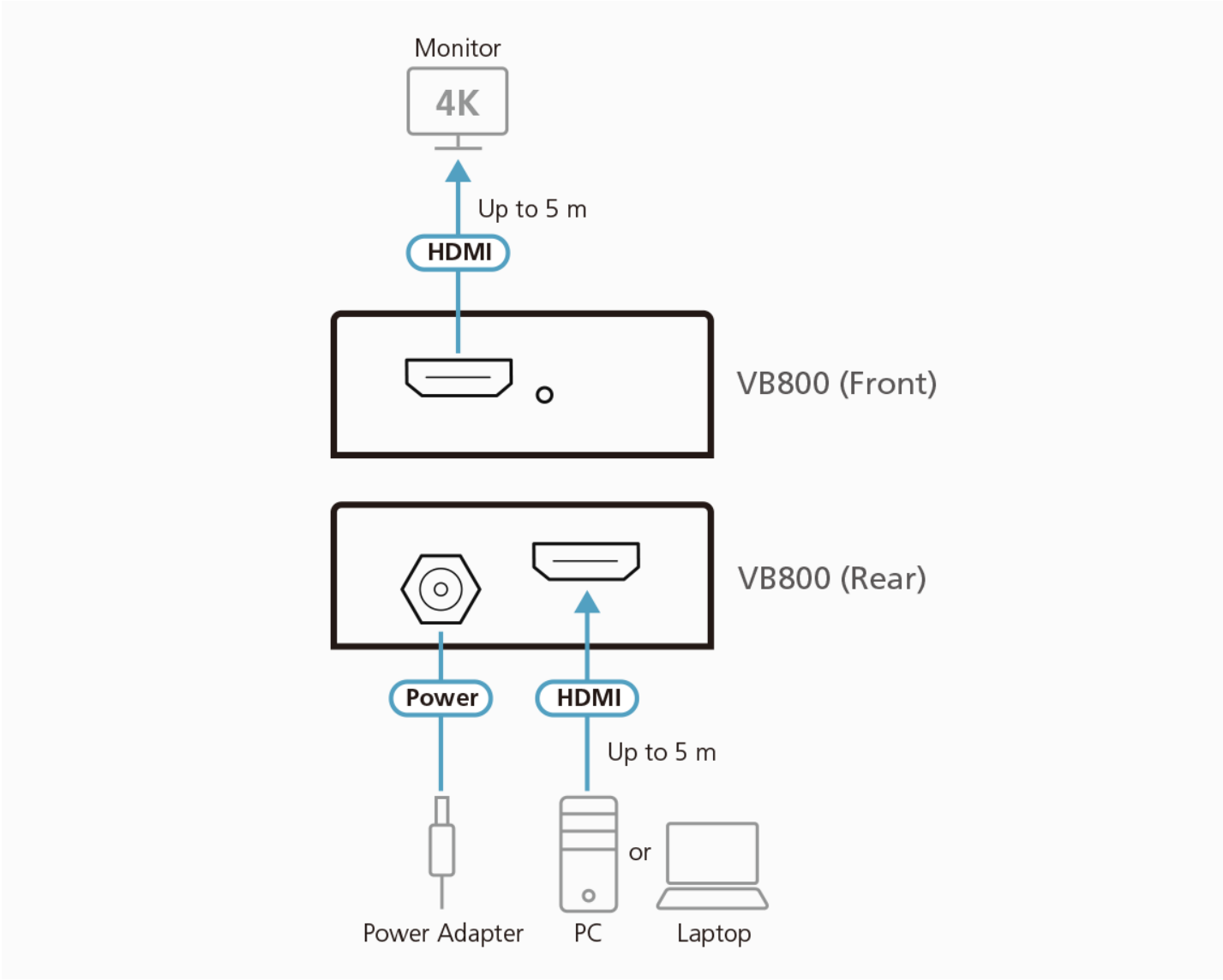
- Superior video quality – True 4k resolutions of 4096 x 2160 @ 60 Hz (4:4:4) video and standard 1080p (1920 x 1080 @ 60 Hz)
- HDMI (3D, Deep Color, 4K)
- Max. Data Rate 18 Gbps (6 Gbps Per Lane)
- HDMI and HDCP 2.2 compatible
- Supports up to True 4K resolutions when cascaded up to 10 levels
  - Up to 10 m True 4K transmission distance (max. 5 m on the input side and 5 m on the output side)
  - Up to 20 m 1080p transmission distance (max. 10 m on the input side and 10 m on the output side)
- A single unit can be powered from the source device
- Supports HDR10+
- Plug-and-play – No software installation required
- Rack mountable

  * Longer distance transmission is allowed with lower data rates and/or higher quality cable.

Specifications

Video Input	
Interfaces	1 x HDMI Type A Female (Black)
Max. Distance	5M at 4096x2160@60Hz (4:4:4)
Video Output	
Interfaces	1 x HDMI Type A Female (Black)
Max. Distance	5M at 4096x2160@60Hz (4:4:4)
Video	
Max. Bandwidth	600 MHz
Max. Resolutions / Distance	Up to 10M at 4K@60 Hz (4:4:4); Up to 20M at 1080p@60Hz
Max. Data Rate	18Gpbs(6 Gbps Per Lane)
Compliance	HDMI, HDCP 2.2 Compatible
Connectors	
Power	1 x DC Jack
Power Consumption	DC5V:0.99W:5BTU
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.09 kg (0.21 lb)
Dimensions (L x W x H)	4.90 x 5.60 x 1.70 cm (1.93 x 2.2 x 0.67 in.)
Carton Lot	10 pcs
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram


Monitor
4K
Up to 5 m
HDMI
VB800 (Front)
VB800 (Rear)
Power
HDMI
Up to 5 m
or
Power Adapter
PC
Laptop