

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.



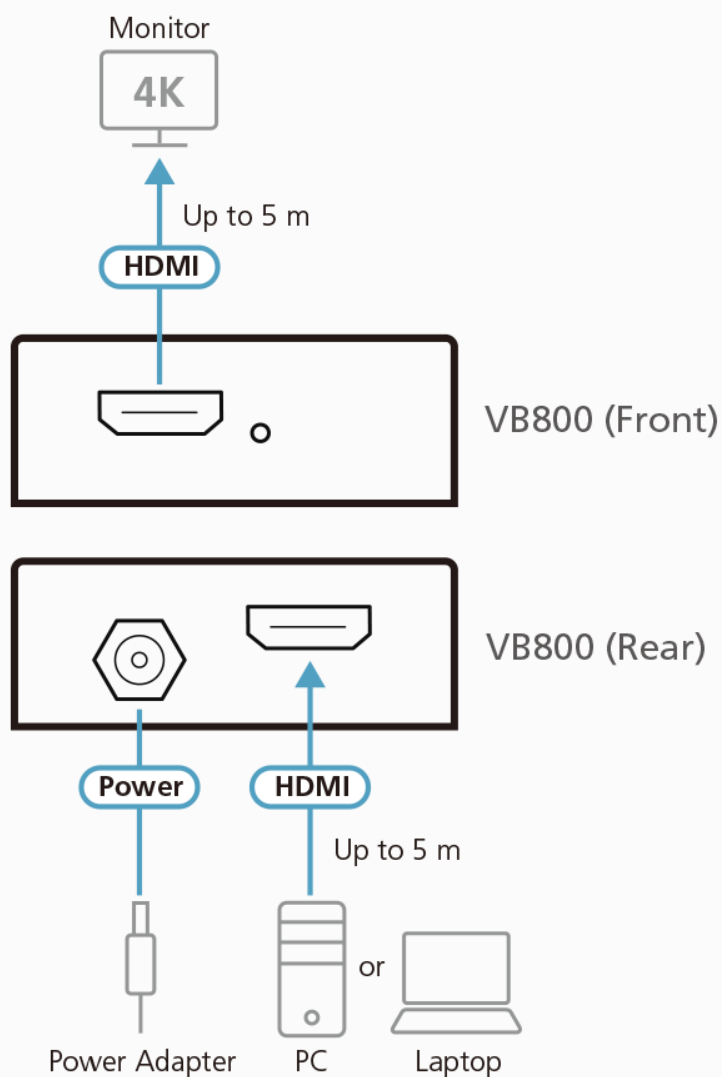
Features

- 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/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 - 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



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