

## 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.



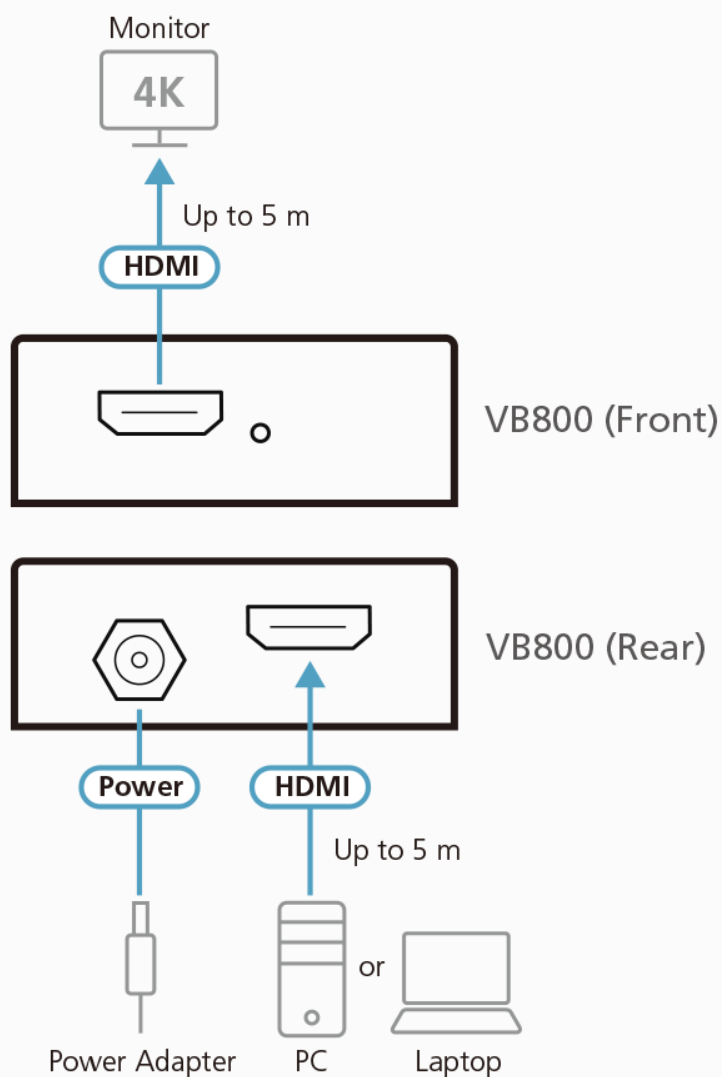
### Features

- 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);<br>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<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● 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<br>(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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