

VB905

True 4K DisplayPort Booster



ATEN VB905 extends True 4K signal from a source device to a display up to 5 meters. For long distance transmission, the VB905 can be cascaded up to 3 levels (20 meters), guaranteeing ultimate color and image quality.

The VB905 supports all DisplayPort enabled devices. For installation flexibility, the booster can be rack mounted, offering excellent flexibility for managing both work and home settings.



Features

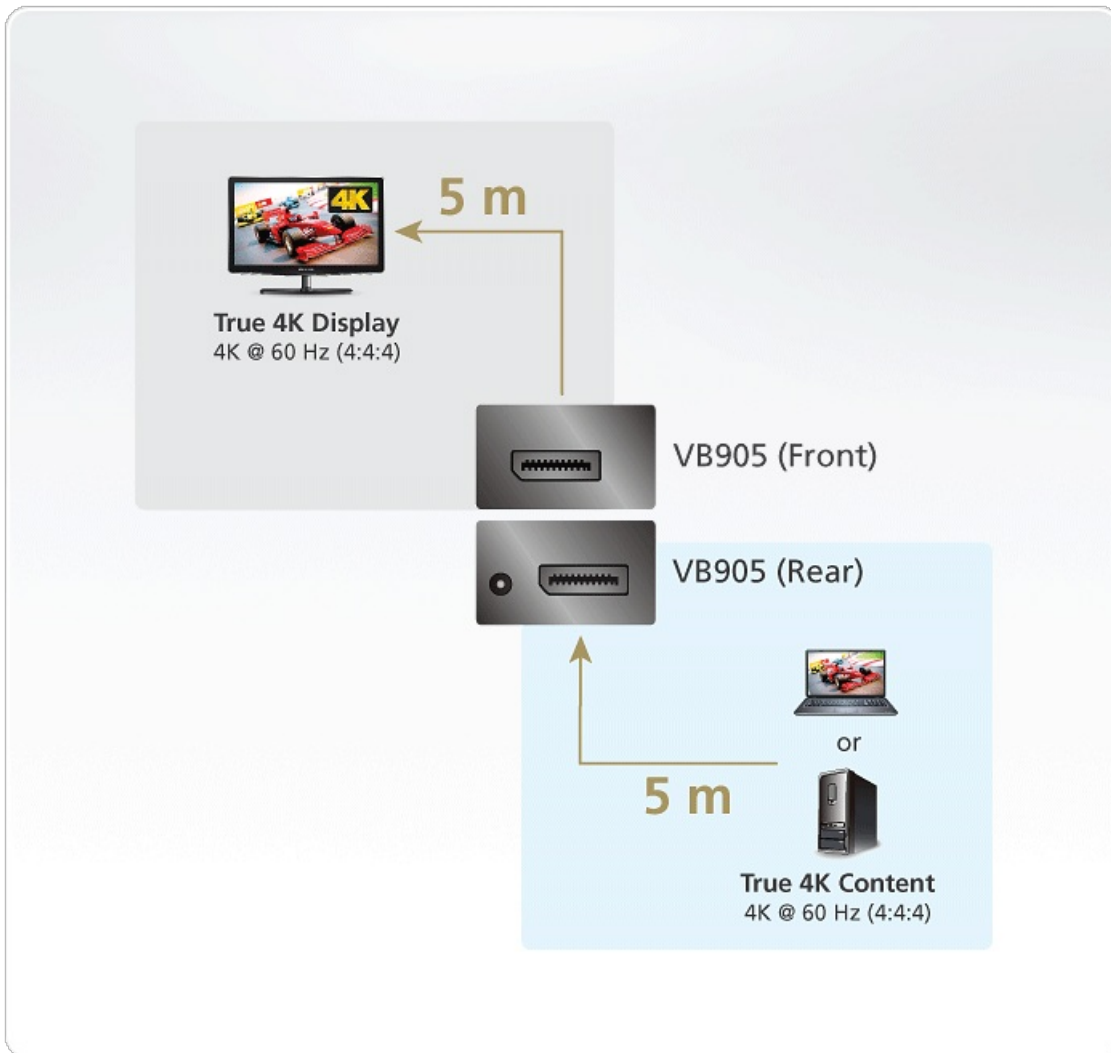
- Extends True 4K signal transmission up to 5 m
- Compliant with DisplayPort 1.2a and HDCP 2.2
- Superior video quality – up to True 4K resolutions of 4096 x 2160 @ 60 Hz (4:4:4)
- Supports HDR
- Cascade 3 levels to extend True 4K signal up to 20 m
- A single unit can be powered from the source device
- Plug-and-play
- Rack mountable

Note: Longer transmission distance is possible with lower data rates. If you want to remain high quality transmission, please use higher quality cable.

Specification

| | |
|------------------------|--|
| Video Input | |
| Interfaces | 1 x DisplayPort Female (20-pin) |
| Max. Distance | Up to 4Kx2K@60Hz (4:4:4) / 5m 1080p@60Hz / 5m |
| Video Output | |
| Interfaces | 1 x DisplayPort Female (20-pin) |
| Max. Distance | Up to 4Kx2K@60Hz (4:4:4) / 5m 1080p@60Hz / 5m |
| Video | |
| Max. Data Rate | 21.6 Gbps (5.4 Gbps Per Lane) |
| Compliance | DP1.2a HDCP 2.2 |
| Max. Resolution | 4096 x 2160@60Hz (4:4:4) |
| Connectors | |
| Power | 1 x DC Jack |
| Power Consumption | DC5V:0.937W:4BTU/h Note: <ul style="list-style-type: none"> ● 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 | 0.05 kg (0.11 lb) |
| Dimensions (L x W x H) | 5.84 x 3.53 x 2.06 cm (2.3 x 1.39 x 0.81 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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