

VE801R

HDMI HDBaseT-Lite Receiver (4K@40m)
(HDBaseT Class B)



The VE801R HDMI HDBaseT-Lite Receiver incorporating connects with HDBaseT transmitters* to extend signal up to 70m from the source using one Cat 5e/6/6a cable. It supports HDMI features that include 3D, Deep Color and 4K image resolutions, plus Dolby Digital 5.1, DTS HD audio and it is HDCP compatible. The VE801R all-in-one design provides an easy method for mounting the device in any location. The side panel provides slip-resistant grooves that help prevent accidental drops when installing the unit. The grooves also enhance the ability to see the LED status lights. The VE801R is perfect for digital entertainment centers or any installation that requires superior HDMI video quality to be extended for great distances.

* Compatible HDBaseT Transmitter Units: [VE801T](#)



Features

- Extends HDMI signals over a single Cat 5e/6/6a cable or ATEN [2L-2910](#) Cat 6 cable
- HDMI (3D, Deep color, 4K); HDCP 2.2 compliant
- Superior video quality – up to 4K@35m (Cat 5e/6) / 40m (Cat 6a or ATEN [2L-2910](#) Cat 6 cable)
- HDBaseT Anti-jamming – resists signal interference during high-quality video transmission using HDBaseT technology
- Plug-and-play
- Rack-mountable

Specification

| | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Output | |
| Interfaces | 1 x HDMI Type A Female (Black) |
| Impedance | 100Ω |
| Max. Distance | 3 m |
| Video | |
| Max. Data Rate | 10.2Gbps (3.4Gbps per lane) |
| Max. Pixel Clock | 340 MHz |
| Compliance | HDMI (3D, Deep Color, 4K) HDCP Compatible Consumer Electronics Control (CEC) |
| Max. Resolutions / Distance | Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6) *4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) |
| Audio | |
| Output | 1 x HDMI Type A Female (Black) |
| Connectors | |
| Power | 1 x DC Jack (Black) with locking |
| Unit To Unit | 1 x RJ-45 Female |
| Power Consumption | DC5V:4.24W:20BTU/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 |
| Storage Temperature | -20 - 60°C |
| Humidity | 0 - 80% RH, Non-Condensing |
| Physical Properties | |
| Housing | Metal |
| Weight | 0.25 kg (0.55 lb) |
| Dimensions (L x W x H) with bracket | 9.86 x 8.70 x 3.00 cm (3.88 x 3.43 x 1.18 in.) |
| Dimensions (L x W x H) without bracket | 9.42 x 6.60 x 2.90 cm (3.71 x 2.6 x 1.14 in.) |

Diagram

