

VE901T

DisplayPort HDBaseT-Lite Transmitter (4K@40m; 1080p@70m)



The VE901T DisplayPort HDBaseT-Lite Transmitter is able to extend a DisplayPort display up to 70 m using a Cat 6/6a/ATEN 2L-2910 Cat 6 cable. This combination of ATEN and HDBaseT™ technology supports sharing 4K media up to 40 m away, offering a simple, adaptable, and cost-effective solution for any professional AIV installation.

The VE901T DisplayPort HDBaseT-Lite Transmitter is the perfect choice for professional A/V installations that require video signal interference protection, such as in medical and military installations. With its lightweight and easy-to-mount design, and a slip-resistant DC Jack lock mechanism, the VE901T can be installed in a multitude of locations while ensuring peace of mind with



Features

- HDBaseT Connectivity extends a DisplayPort connection up to 70 meters via a single Cat 6a cable or ATEN <u>2L-2910</u> Cat 6 cable
 DisplayPort v1.1*; HDCP 1.4 compliant
- Superior video quality 4K @ 35 m (Cat 5e/6) / 40 m (Cat 6a/ATEN 2L-2910 Cat 6 cable) and 1920 x 1080 @ 60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat 6 cable) HDBaseT Anti-Jamming resists signal interference during video transmission using HDBaseT technology Featuring 3.3V / 500mA power output for powering auxiliary devices

- Plug-and-play
- Rack-Mountable *Note:

DisplayPort v1.1 supports up to 4Kx2K @ 30Hz.

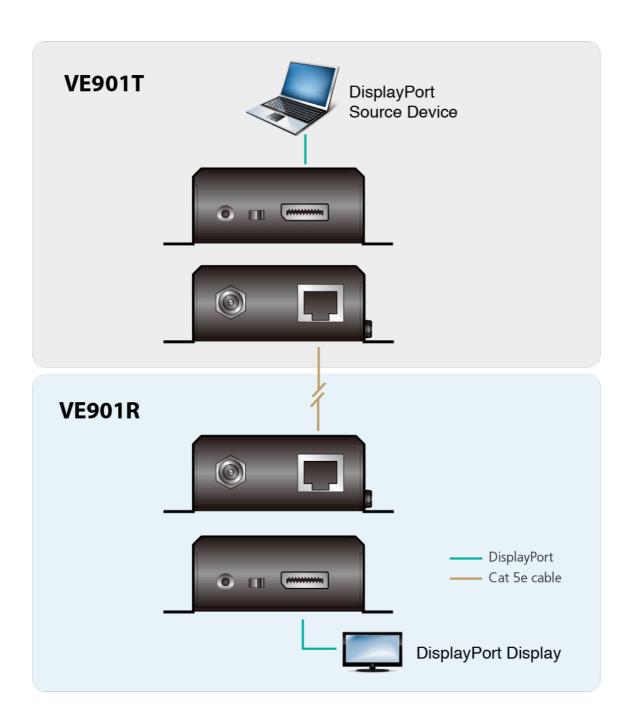


Specifications

| Video Input | Specifications | | |
|---|--|--|--|
| Impedance 100 Ω | Video Input | | |
| Max. Distance 1.5 m | Interfaces | 1 x DisplayPort Female (Black) | |
| Max. Data Rate 10.2Gbps (3.4Gbps per lane) | Impedance | 100 Ω | |
| Max. Data Rate 10.2Gbps (3.4Gbps per lane) Max. Pixel Clock 297 MHz Compliance DisplayPort (Deep Color, 4K) HDCP Compatible Max. Resolutions / Distance Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a/ATEN 2L-2910 Cat6) '4/K supported: '4/K supported: '4/G96 x 2160 / 3840 x 2160 @ 30Hz (4-4-4) Audio N/A Input 1 x DisplayPort Female (Black) Connectors 1 x D. Jack (Black) with locking Power 1 x D. Jack (Black) with locking Unit To Unit 1 x RJ-45 Female Power Consumption DCSV2.84W:13BTU/h Note: | Max. Distance | 1.5 m | |
| Max. Pixel Clock Compliance DisplayFort (Deep Color, 4K) HDCP Compatible 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); 4/4 supported: 4/96 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) Audio Output N/A Input 1 x DisplayFort Female (Black) Connectors Power 1 x DC Jack (Black) with locking Unit To Unit 1 x RJ-45 Female Power Consumption DC5V 2.84W:13BTU/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 2-0 -60°C Humidity 0 -80% RH, Non-Condensing Metal Weight 0 .24 kg (0.53 lb) Dimensions (L x W x H) with bracket (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) with bracket 9.42 x 6.60 x 2.90 cm | Video | | |
| Compliance DisplayPort (Deep Color, 4K) HDCP Compatible Max. Resolutions / Distance Up to 4K@S5m (Cat 5ach) / 40m (Cat 6a/ATEN 2L-2910 Cat6); 1090@@00m (Cat 5o/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6); 14K supported; 4M96 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) Audio Output N/A Input 1 x DisplayPort Female (Black) Connectors Power 1 x DC Jack (Black) with locking Unit To Unit 1 x RJ-45 Female DC5V 2.84W:13BTU/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 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.42 x 6.50 x 2.90 cm | Max. Data Rate | 10.2Gbps (3.4Gbps per lane) | |
| HDCP Compatible 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 / 3940 x 2160 @ 30Hz (4:4:4) Audio Output NA Input 1 x DisplayPort Female (Black) Connectors Power 1 x DC Jack (Black) with locking Unit To Unit 1 x RJ-45 Female DCSV-2.84W:13BTU/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 0-40°C Storage Temperature 0-80% RH, Non-Condensing Physical Properties Humidity 0 - 80% RH, Non-Condensing Metal Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.42 x 6.60 x 2.90 cm | Max. Pixel Clock | 297 MHz | |
| Independent (Cat sel6) / 70m (Cat 6a/ATEN 2L-2910 Cat6) "4K supported: 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) Audio Output | Compliance | DisplayPort (Deep Color, 4K) HDCP Compatible | |
| Output | Max. Resolutions / Distance | 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6) *4K supported: | |
| Input 1 x DisplayPort Female (Black) Connectors Power 1 x DC Jack (Black) with locking Unit To Unit 1 x RJ-45 Female Power Consumption DC5V:2.84W::13BTU/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 2-20 - 60°C Humidity 0 - 80% RH, Non-Condensing Physical Properties Housing Metal Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Audio | | |
| Connectors Power | Output | N/A | |
| Power | Input | 1 x DisplayPort Female (Black) | |
| Unit To Unit Power Consumption DC5V:2.84W:13BTU/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 2-0 - 60°C Humidity 0 - 80% RH, Non-Condensing Physical Properties Housing Metal Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Connectors | | |
| Power Consumption DC5V:2.84W:13BTU/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 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Power | 1 x DC Jack (Black) with locking | |
| Note: | Unit To Unit | 1 x RJ-45 Female | |
| ■ 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 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Power Consumption | DC5V:2.84W:13BTU/h | |
| Operating Temperature 0-40°C Storage Temperature -20 - 60°C Humidity 0 - 80% RH, Non-Condensing Physical Properties Metal Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | | The measurement in Watts indicates the typical power consumption of the device with no external loading. | |
| Storage Temperature -20 - 60°C Humidity 0 - 80% RH, Non-Condensing Physical Properties Housing Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Environmental | | |
| Humidity 0 - 80% RH, Non-Condensing Physical Properties Housing Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Operating Temperature | 0-40°C | |
| Physical Properties Housing Metal Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Storage Temperature | -20 - 60°C | |
| Housing Metal Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Humidity | 0 - 80% RH, Non-Condensing | |
| Weight 0.24 kg (0.53 lb) Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Physical Properties | | |
| Dimensions (L x W x H) with bracket 9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Housing | Metal | |
| (3.85 x 3.43 x 1.18 in.) Dimensions (L x W x H) without bracket 9.42 x 6.60 x 2.90 cm | Weight | 0.24 kg (0.53 lb) | |
| | Dimensions (L x W x H) with bracket | | |
| | Dimensions (L x W x H) without bracket | | |



Diagram



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