



PUV-1710L-AVLC-KIT

HDBaseT1 LITE Full 4K AVLC Series Transmitter & Receiver Kit with PoH



The PUV-1710L-AVLC Transmitter and Receiver Kit enables video resolutions up to 4K UHD including 10/12-bit HDR & Dolby Vision, to be transmitted along with HD audio, 2-Way IR, RS-232, PoH (Power over HDBaseT™) signals from a distance of 35m (4K60 4:4:4): 70m (4K60 4:2:0). This solution provides advanced signal management ensuring reliable results in the most demanding installation environments. All audio, video, control, and power are transmitted simultaneously over a single CAT6a/7 cable up to 70m.

Despite the 10.2Gbps limitation of HDBaseT technology, this groundbreaking product enables data rates of up to 18Gbps to be transmitted using AVLC (Adaptive Visually Lossless Compression) Technology. The transmitter enables 4KUHD sources up-to and including 4K@60Hz (4:4:4 8-bit) as well as 10/12 bit sources with HDR (Including Dolby Vision) to be extended to the receiver. The result is a perfect 4K 6G visually lossless image delivered to the display screen.

PANELS

TX



Front View



Rear View

RX

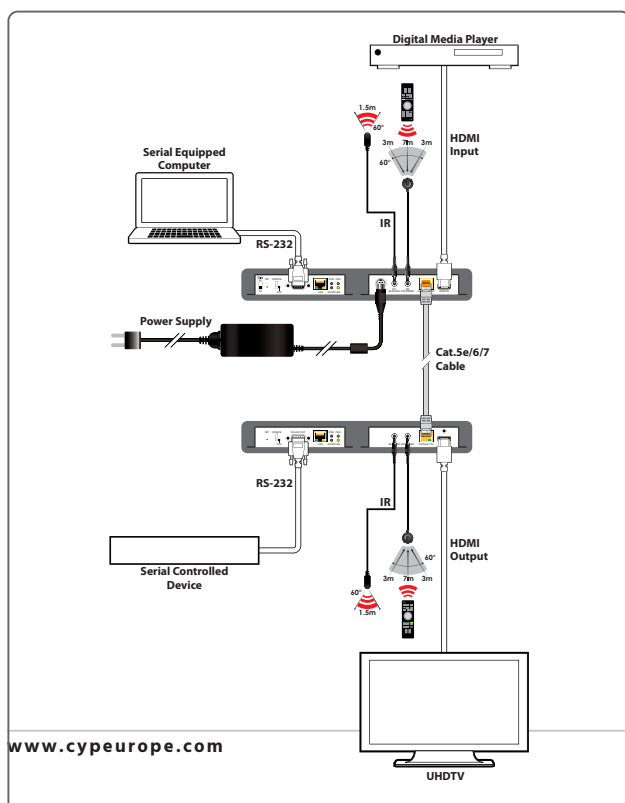


Front View



Rear View

DIAGRAM



FEATURES

- Supported HDBaseT feature set: HD Video & Audio, 48V PoH, and Control (Bi-directional IR/RS-232 pass-through)
- Supports up-to 4K UHD (18Gbps, 4K @50/60Hz 4:4:4 8-bit) video output
- AVLC (Adaptive Visually Lossless Compression)
- AVLC Features manual selection between High Quality and Standard compression from TX (Useful for longer cable runs)
- Supports 10-bit and 12-bit HDR (High Dynamic Range)
- Supports output resolutions up to 4K @50/60Hz (4:4:4 8-bit)
- Supports Deep Colour input and output up to 12-bit
- Supports CEC Bypass
- 4K 3G Timings and 1080p up-to 70 Metres, 4K 6G Timings upto 35 Metres
- Supports pass-through of HD audio formats: LPCM 2/5.1/7.1CH, Dolby Digital 2/5.1CH, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos and DTS-HD Master Audio
- Supports 3D signals

SPECIFICATIONS

TX

Interfaces

Input Port	1×HDMI (Type-A)
Output Port	1×HDBaseT (RJ-45)
Pass-through Port	1×IR Extender [3.5mm] 1×IR Blaster [3.5mm] 1×1.RS-232 (DE-9)

RX

Interfaces

Input Port	1 x CAT5e/6/7 (RJ-45)
Output Port	1 x HDMI (Type-A)
Pass-through Port	1 x IR Extender (3.5mm) 1 x IR Blaster (3.5mm) 1 x RS-232 (3.5mm)

Video

HDMI Compliance	2.0 (DVI 1.0)
HDCP Compliance	2.X
Input Signal Type	4K@60 8bit YUV 4:4:4, HDR
Output Signal Type	4K@60 8bit YUV 4:4:4, HDR

Resolutions

Maximum Input	HDMI	4096×2160p@60
Maximum Output	HDBaseT	4096×2160p@60

Power

Power Supply	[TX] 48V/0.83A DC (US/EU standards, CE/FCC/UL certified) [RX] PoH
Power Consumption	[TX] 8.47W, [RX] 9.8W

Enclosure

Chassis Material	Metal
Chassis Colour	Black
Dimensions (W×H×D)	TX 128mm×25mm×108mm [Case Only] 128mm×25mm×117mm [All Inclusive] RX 128mm×25mm×108mm [Case Only] 128mm×25mm×117mm [All Inclusive]
Weight	385g (Tx) 386g (Rx)

Field Firmware Update

PC Update, WebGUI

ORDERING INFORMATION

Model No.	Product Description
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