



PUV-1830RX-AVLC

HDBaseT1 Full 4K AVLC Series Receiver with OAR, LAN & PoH



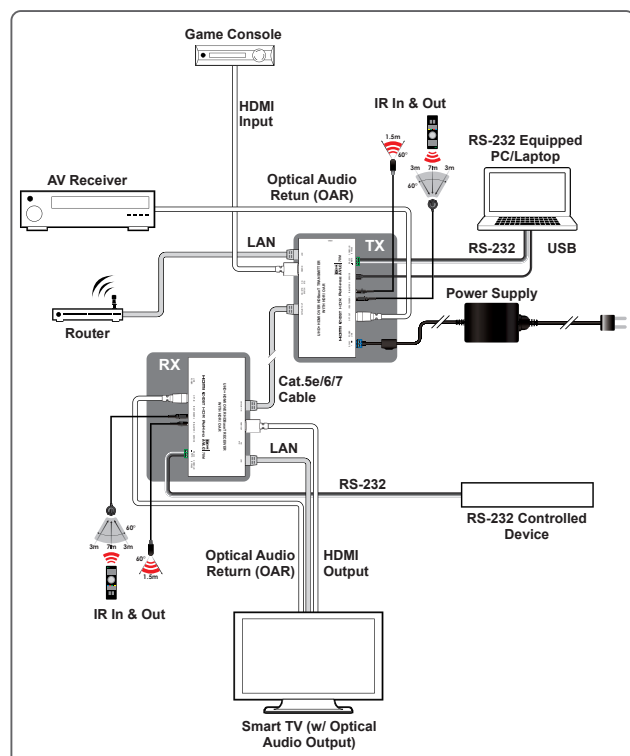
The PUV-1830RX-AVLC Receiver enables video resolutions up to 4K UHD including 10/12-bit HDR & Dolby Vision, to be received along with HD audio, 2-Way IR, RS-232, PoH (Power over HDBaseT) and LAN signals up to a distance of 70m (4K 60 4:4:4); 100m (4K 60 4:2:0). This solution provides advanced signal management ensuring reliable results in the most demanding installation environments. All audio, video, control, and power are received simultaneously over a single CAT6a/7 cable up to 100m. This unit also features OAR (Optical Audio Return) allowing the user to extract Optical Audio transmitted from the HDBaseT Receiver.

Despite the 10.2Gbps limitation of HDBaseT™ technology, this ground breaking product enables data rates of up to 18Gbps to be received using AVLC (Adaptive Visually Lossless Compression) Technology. The receiver 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 received over distance from a compatible transmitter. The result is a perfect 6G 4K visually lossless image delivered to the display screen.

PANELS



DIAGRAM



FEATURES

- HDBaseT 5-Play™ convergence: High-Definition video and audio, 100BaseT Ethernet, PoH (Power over HDBaseT) 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 OAR (Optical Audio Return)
- Supports Deep Colour input and output up to 12-bit
- Supports CEC Bypass
- 4K 3G Timings and 1080p up-to 100 Metres, 4K 6G Timings up to 70 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

Interfaces

Input Port	1×HDBaseT (RJ45) 1×S/PDIF (TOSLINK)
Output Port	HDMI (Type-A)
Pass-through Port	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×LAN (RJ45)
Pass-through/Control Port	1×RS-232 (3-pin Terminal Block)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	1.4
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	HDBaseT	4096×2160p@60
Maximum Output	HDMI	4096×2160p@60

Power

Power Supply	48V PoH (US/EU standards, CE/FCC/UL certified)
Power Consumption	7W

Enclosure

Chassis Material	Aluminum
Chassis Colour	Black
Dimensions(W×H×D)	163mm×16mm×78mm [Case Only] 183mm×16mm×81mm [All Inclusive]
Weight	200g

Field Firmware Update

USB Flash Drive

ORDERING INFORMATION

Model No.	Product Description
PUV-1830RX-AVLC	HDBaseT1 Full 4K AVLC Series Receiver with OAR, LAN & PoH
PUV-1830TX-AVLC	HDBaseT1 Full 4K AVLC Series Transmitter with OAR, LAN & PoH