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- ## PUV-1550S-TX: 100m HDBaseT Receiver & 4K Scaler 4K, HDCP2.2, PoH, LAN, OAR

The PUV-1550S-TX HDBaseT Transmitter/Scaler transmits 4K UHD video resolutions, HD audio, 2-Way IR, RS-232, PoH (Power over HDBaseT), and LAN signals up to 100m. 1080p signals can be upscaled to 4K UHD and transmitted to the receiver.

An additional local HDMI output supports video signals up to 4K@60Hz (4:4:4, 8-bit) and 4K@24Hz HDR. Full 4K UHD content can be converted to 4K@60Hz (4:2:0, 8-bit) or 1080p@60Hz for transmission over the HDBaseT output signal, in order to fit within HDBaseT bandwidth limitations (10.2Mbps).

Simple 4K UHD test patterns can be generated.

Control of remote devices is possible via bi-directional RS-232, IR ports as well as a LAN connection.

An analogue audio output provides users with the ability to receive Optical Audio transmitted from the PUV-1550S-RX or de-embed audio from the HDMI source. The PUV-1550S-RX also has on board EDID Management for troubleshooting connected displays.

Features:

- HDBaseT 5Play convergence: High-Definition video and audio, 100BaseT Ethernet, PoH (Power over HDBaseT) and control (Bi-directional IR/RS-232 pass-through)
- 4K@60Hz (YUV 4:2:0) signals can be transmitted up to 100m via Cat.6a/7 cable and up to 70m via Cat.5e/6 cable HDCP 2.2, HDMI 2.0 and DVI compatible
- Upscales 1080p signals to 4K UHD over HDBaseT output or downscales 4K signal to 1080p (same framerate is maintained)
- Supports automatic 4K@60Hz RGB/YUV 4:4:4 to YUV 4:2:0 conversion for HDBaseT output
- Support signal bypass on HDMI output
- Supports data rates up to 600MHz/18Gbps and Deep Color up to 48-bit
- Supports 4K resolutions including: 3840×2160@24/25/30Hz, 4096×2160@24/25/30Hz, 3840×2160@50/60Hz (4:4:4) & 4096×2160@50/60Hz (4:4:4)
- 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 OAR (Optical Audio Return) and DAC (Digital to Analog Conversion) audio conversion
- Internal test pattern generation at select resolutions for on-site display testing
- Integrated EDID management
- OSD with instant I/O resolution display

Specifications:

Model:	PUV–1550S–TX
Inputs	1x HDMI [1x HDMI Uncompressed AV and Data]
-	1x RJ45 [1x LAN Serving]
-	1x 3.5mm Stereo mini-jack [1x Infra Red Receiver]
-	1x Phoenix (3 pin) [1x RS-232]
Outputs	1x HDMI [1x HDMI Uncompressed AV and Data]
-	1x 3.5mm Stereo mini-jack [1x Infra Red Emitter]
-	1x Phoenix (5 pin) [1x Analogue Audio Analogue Stereo (Balanced or Unbalanced)]
PoE power	PoH
Power supply	24v / 2.7A
Dimensions	117(W) x 231(D) x 25(H) mm
Weight (Net)	0.61kg
Weight (Gross)	1.75kg