OUTX-2100-AVLC

HDBaseT2 Full 4K 4-port Output Card with AVLC for the MODX-1616

Part of the brand new CYP Modular Matrix series the OUTX-2100-AVLC is designed to be integrated with the MODX-1616 Modular Matrix. Featuring 4 x HDBaseT™ outputs capable of delivering 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 from a distance of 100m. HDBaseT™ 2.0 technology provides advanced signal management ensuring reliable results in the most demanding of installation environments. All audio, video, control, and power are received simultaneously over a single CAT6a/7 cable.

Despite the 10.2Gbps limitation of HDBaseT™ technology, this ground-breaking product enables data rates of up to 18Gbps to be transmitted using AVLC (Adaptive Visually Lossless Compression) Technology. The transmitter card 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 transmitted to a PUV-2100RX-AVLC. The result is a perfect 6G 4K visually lossless image delivered to the display.

In addition to 4K UHD video transmission, the OUTX-2100-AVLC features 4 x 3.5mm stereo audio outputs for the transmission of audio independently delivered by the MODX-1616's Input cards. The OUTX-2100-AVLC interface also features 4 x IR Inputs for added system control.

PANEL

Front View

FEATURES

- 4 x HDBaseT Output Ports
- 4 x 3.5mm Analogue Audio Outputs
- HDBaseT™ 2.0 Technology
- 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 transmission
- AVLC (Adaptive Visually Lossless Compression)
- 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
- 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
- 4 x IR Inputs

ORDERING INFORMATION

Model No.	Product Description
OUTX-2100-AVLC	HDBaseT2 Full 4K 4-port Output Card with AVLC for the MODX-1616
PUV-2100RX-AVLC	HDBaseT2 Full 4K AVLC Series Receiver with LAN, PoH & Audio/ARC pathway

SPECIFICATIONS

Interfaces

Output Port	4 HDBT (RJ-45) 4 Stereo analog audio (3.5mm)
Control I/O	4 IR Blaster (3.5mm)

Video

HDBT Compliance	HDBT 4K@60	
HDCP Compliance	2.x	
Output Signal Type	4096x2160p@60 8bit YUV 4:4:4	
	Resolutions	
Maximum Output	HDBT	4096×2160p@60 YUV 4:4:4

Audio

HDBT	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
Audio Out	Frequency Response: < ±1dB (20Hz to 20kHz) THD: < 0.01% (20Hz to 20kHz) S/N Ratio: > 70dB (1kHz with 0dBFS) Crosstalk: < −60dB (10kHz, Vin=0dBFS)

Enclosure

Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (W×H×D)	187.4mm×29.1mm×344.9mm [Case Only] 197.5mm×29.1mm×364.6mm [All Inclusive]
Weight	458g

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