



INX-2100-AVLC

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



Part of the brand new CYP Modular Matrix series the INX-2100-AVLC is designed to be integrated with the MODX-1616 Modular Matrix. Featuring 4 x HDBaseT™ inputs capable of receiving 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 received using AVLC (Adaptive Visually Lossless Compression) Technology. The receiver 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 received from a OUTX-2100-AVLC. The result is a perfect 6G 4K visually lossless image received from the source.

In addition to 4 x 4K UHD HDBaseT 2.0 video inputs, the INX-2100-AVLC features 4 x Digital Optical Toslink Audio Inputs for the transmission of audio independently delivered by the MODX-1616's Input cards. The INX-2100-AVLC interface also features 4 x IR Inputs for added system control.

PANEL



Front View

FEATURES

- 4 x HDBaseT Input Ports
- 4 x Optical Digital Audio Toslink Inputs
- 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 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 received from 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
INX-2100-AVLC	HDBaseT2 Full 4K 4-port Input Card with AVLC for the MODX-1616
PUV-2100TX-AVLC	HDBaseT2 Full 4K AVLC Series Transmitter with LAN, PoH & Audio/ARC pathway

SPECIFICATIONS

Interfaces

Input Port	4 HDBT (RJ-45) 4 Optical audio
Control I/O	4 IR Extender (3.5mm)

Video

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

Audio

HDBT	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
Optical In	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream

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