CPLUS-V1616

16×16 Modular 4K UHD+ HDMI Matrix

INTRODUCTION

This unit is a Modular HDMI Matrix with 4 high-bandwidth input card slots and four high-bandwidth output card slots. Each standard card, input or output, is equipped with four HDMI ports capable of handling up to four independent 18Gbps video signals simultaneously and the backplane cross-point can handle a maximum I/O configuration of 16×16. 4K UHD video sources, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12-bit sources with HDR are fully supported. All ports support up to 7.1 channel LPCM digital audio as well as Bitstream and HD Bitstream audio formats. I/O cards using the HDMI interface (HDMI 2.0, HDCP 2.2) interface are available now and I/O cards supporting HDBaseT (with AVLC) are under development. Control is via front panel buttons with an LCD menu, WebGUI, Telnet, RS-232 or IR remote.

| HDCP 2.2 | HDR 4K | 4K60 4:4:4 | AVLC 4K 100m | PSE 48V PoH |

FEATURES

- Input and output card slots support 18Gbps (600MHz) 4K UHD with HDR
- DVI 1.0 compliant with the use of an HDMI-DVI adapter
- HDCP 1.x and 2.2 compliant
- 8 high-bandwidth card slots (4 dedicated input slots, 4 dedicated output slots) with a maximum matrix configuration of 16×16
- 1 CPU and control card slot
- Supports UHD resolutions up to 3840×2160@60Hz (4:4:4, 8-bit)
- Supports 4K HDR at 24Hz (4:4:4) and 60Hz (YUV 4:2:0) with up to 12- bit color
- Supports 12-bit Deep Color up to 1080p@60Hz
- Supports pass-through of audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream
- Output cards have an integrated scaling function which supports upscale to 4K@60Hz and downscale to 1080p@60Hz if required by the connected display
- Advanced EDID Management for rapid integration of sources and displays
- Field updatable firmware
- 3U rack mounted design
- Redundant power supply
- Control via front panel buttons with LCD menu, Ethernet (Telnet & WebGUI), RS-232, and IR remote
- 4-port HDMI input and 4-port HDMI output cards are available now
- 4-port HDBaseT (with AVLC) input and output cards are under development

SPECIFICATIONS	CPLUS-V1616
Input Ports	4×Input Card
Output Ports	4×Output Card
Control Ports	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (DE-9) 1×IP Control (RJ-45)
Power Supply	110~240V AC
Dimensions	440mm×177mm×429mm (W×H×D) [Case Only] 484mm×182mm×482mm (W×H×D) [All Inclusive]
Weight	19,000g

Modular Matrix Components

SPECIFICATIONS	CIN-V4HP	COUT-V4HP
Input Ports	4×HDMI 4×Stereo (3.5mm)	N/A
Output Ports	N/A	4×HDMI 4×Stereo (3.5mm)
Pass-through Ports	4×IR Blaster (3.5mm)	N/A
Dimensions	187.4mm×344.9mm (W×D) [Case Only] 197.5mm×29.1mm×364.6mm (W×H×D) [All Inclusive]	
Weight	458g	458g

The specifications and features listed for pre-release hardware is subject to change.

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