CPLUS-4KQV
Dual Input to 4K UHD+ HDMI Video Wall Processor

INTRODUCTION

This unit can take any standard 4K UHD source from either HDMI or HDBaseT and generate a high-quality video wall with bezel compensation and full audio bypass. Due to support for AVLC (Adaptive Visually Lossless Compression) on the HDBaseT input, both inputs support 4K UHD HDMI video, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12-bit with HDR. Each of the 4 outputs support resolutions up to 1080p@60Hz to generate a true 4K video wall. Each HDMI output is paired with an RS-232 port to allow support for event-triggered commands to be sent to each display via RS-232 or CEC. The HDBaseT input can also provide 48V PoH (Power over HDBaseT) to any compatible Transmitter (PD), allowing for greater flexibility within different installation scenarios.

Built in advanced EDID management options including Internal, External, and User configurations as well as advanced HDCP processing allows this video wall unit to handle almost any source situation. A dedicated PC application allows the user to fully customize the video wall and associated features. Multiple control interfaces are available including front panel buttons with OSD, IR, RS-232, and Telnet.

FEATURES

- 1 HDMI and 1 HDBaseT inputs support sources up to 18Gbps (600MHz) 4K UHD
- 4 HDMI output supports output resolutions up to 1080p@60Hz
- DVI 1.0 compliant with the use of an HDMI-DVI adapter
- HDCP 1.x and 2.2 compliant
- Inputs support UHD resolutions up to 3840×2160@60Hz (4:4:4, 8-bit)
- Inputs support 4K HDR at 24Hz (4:4:4) and 60Hz (YUV 4:2:0) with up to 12-bit color (HDR is automatically converted to SDR for 1080p output)
- Supports pass-through of audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream
- Integrated AVLC (Adaptive Visually Lossless Compression) support on the HDBaseT input
- Supports standard IEEE 802.3at 48V PoH from unit to Transmitter (PD) (compatible Transmitters only)
- Basic signal event automation (via RS-232 or CEC) to each connected HDMI display
- Dedicated PC application for easy control of the unit
- Also controllable via a front panel buttons with OSD, IR, Telnet, and RS-232

SPECIFICATIONS	CPLUS-4KQV
Input Ports	1×HDMI 1×HDBaseT (RJ-45)
Output Ports	4×HDMI 1×Stereo (5-pin Terminal Block) 4×RS-232 (3-pin Terminal Block)
Pass-through Ports	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (3-pin Terminal Block) 2×LAN (RJ-45)
Control Port	1×RS-232 (3-pin Terminal Block)
Power Supply	24V/3.75A
Dimensions	280mm×30mm×203mm (W×H×D) [Case Only] 280mm×30mm×215mm (W×H×D) [All Inclusive]
Weight	652g

HDCP 2.2

HDR 4K

4K60 4:4:4

AVLC 4K 100m

PSE 48V PoH