CUSTOMPRO-HUB 16

Custom Pro 4K UHD Video Matrix

Description

The Custom Pro Matrix achieves new levels of both performance and flexibility. The Custom Pro Hub16 features 12 x modular bays allowing AV integrators to easily specify their desired I/O structure and choose the additional control features required for a specific project. The Custom Pro Matrix has been specifically designed to operate in challenging AV environments. Its robust housing and interlocking board configuration make both installation and maintenance a seamless experience. Advanced optional features include HDMI and HDBaseT™ boards featuring CSC for support of all the latest 4K resolutions including 4K 60 Hz 4:4:4 colour space & HDR with independent down-scaling of 4K video inputs on CSC HDBaseT™ outputs to allow those displays only capable of supporting lower video resolutions to receive 4K video while still showing maximum original 4K UHD resolution on the higher-definition displays. Additional features include audio breakout with variable line level outputs, simultaneous HDBaseT™ / HDMI outputs, 2-way routed IR and RS-232 pass through. A web browser interface module for control and configuration of the matrix is included as standard as well as analogue audio embedding per zone.

Key Features

- Custom Pro Matrix with 12 x modular bays for population of input / output boards
- Supports up to 16 x video inputs and 16 x video outputs using a combination of 2-way and 4-way interchangeable input and output boards
- Supports 4K UHD video up to 4K 60Hz 4:4:4*
- Optional Colour Space Conversion (CSC) boards support HDMI 2.0 18Gbps specification including HDR over HDBaseT™
- Optional CSC boards feature independent downscaling of up to 4K 60Hz 4:4:4 video input to the following formats:
    - 1080P@ 60Hz (for screens that do not support 4K)
    - 4K 60Hz 4:2:0 (for screens that do not support full 4K 60Hz 4:4:4)
- 16 x analogue L/R audio inputs which can be embedded onto corresponding HDMI / HDBaseT™ zone outputs

- 16 x IR outputs for routed control of local source equipment
- 16 x IR inputs for distribution of IR to compatible Blustream HDBaseT™ receivers
- Optional RS-232 control board for bi-directional IR control with HDBaseT Receiver
- Optional Audio breakout board with line-level volume control
- Web browser interface for control and configuration of Matrix
- Control of Matrix via front panel, RS-232, TCP/IP and web GUI
- Supports PoC (Power over Cable) when used with compatible HDBaseT™ receivers
- 3rd Party drivers available for all major home control brands
- Advanced EDID management
- HDCP 2.2 compliant

* full 4K 60Hz 4:4:4 support is subject to input/output boards

Specifications

- **Audio Input Connectors:** 16 x 3.5mm stereo jack (L/R)
- **RS-232 serial ports:** 1 x 9-pin RS-232 connector
- **IR Input ports:** 16 x 3.5mm stereo jack
- **IR Output ports:** 16 x 3.5mm mono jack
- **TCP/IP Control:** 1 x RJ45, female
- **Rack-Mountable:** 4U rack height, rack ears included
- **Casing Dimensions (W x H x D):** 440mm x 173mm x 422m without feet

- **Dimensions Including Connections (W x H x D):** 440mm x 178mm x 430mm with feet
- **Shipping Weight:** TBC
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature:** -4°F to 140°F (-20°C to 60°C)
- **Power Supply:** Internal 100-240v AC

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