

HDMI 2.0 Input Boards

Part No: 9112 0045



MX2M-4HDMI20-IB is a HDMI 2.0 compatible input board for the MX2M modular matrix family. The hot-swappable input board has four HDMI connectors of type A, all with flange. All inputs are HDMI 2.0 compliant and can pass HDMI signals with a pixel clock frequency of up to 600 MHz. Advanced professional features of the board include HDCP enable/disable mode, support for signals with high dynamic range or unusual dimensions, pixel accurate reclocking, EDID management, and Frame detector.

The board extracts the audio from all four incoming HDMI signals to the Audio layer, through which the audio streams can be routed to any of the video or audio output ports.

Features

- HDMI 2.0, HDMI 1.x, and DVI compatible
- Resolutions up to UHD/4k@60Hz 4:4:4
- Uncompressed video up to 18 Gbps
- No signal latency, zero frame delay
- HDCP 2.3 and HDCP 1.4 support
- Support for HDR10, Dolby Vision, HLG
- Deep color support
- 3D signal support
- Hot-swap support
- Advanced EDID management
- DisplayID support for forcing extreme formats (e.g. 7kx1k@60Hz 4:4:4) from the connected source
- CEC support with command injection
- Pixel accurate reclocking
- Pass-through and de-embedding of HDMI 2.0 audio including uncompressed (LPCM, DSD), compressed (MPEG 1 L1, MPEG 1 L2, MPEG 1 L3, AC-3, Dolby Digital, Dolby Digital Plus, Dolby Digital EX, Dolby Digital Surround EX, DTS, DTS ES) and compressed HBR (Dolby Atmos, Dolby TrueHD, DTS-HD DA) formats