

HDMI 2.0 Output Board

Part No: 9113 0053



MX2M-4HDMI20-OB is a HDMI 2.0 compliant output board for the MX2M modular matrix family. The hot-swappable output board has four HDMI connectors of type A, all with flange. All outputs 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 conversion, support for signals with high dynamic range or unusual dimensions, EDID management, and chroma subsampling from 4:4:4 to 4:2:2.

The board can replace the audio in all four routed HDMI signals with compressed or LPCM audio streams from the Audio layer.

Features

- HDMI 2.0, HDMI 1.x, and DVI compatible
- Extension distance of up to 600 meters for 4k@60Hz 4:4:4 signals and 2500 meters for full HD signals
- 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

