

MX2-16x16-HDMI20-Audio

The MX2-16x16-HDMI20-Audio is a member of the Lightware HDMI 2.0 standalone matrix switcher family that supports uncompromised 4K UHD resolution at 60Hz 4:4:4 and allows embedding audio to and de-embedding audio from the HDMI stream.

It has an outstanding port density that makes it particularly suitable for fix-install applications and for future-proof operation centers. It is also a perfect choice for installations where a huge number of HDMI 2.0 compliant input and output ports are required along with audio inputs and outputs.

This standalone product has 16x HDMI 2.0 inputs and 16x HDMI 2.0 outputs transmitting up to 4K at 60Hz in 4:4:4 format, while supporting 3D, Dolby TrueHD and DTS-HD Master Audio. Four of its input ports have audio connectors for embedding analog stereo audio into the HDMI stream, while eight audio connectors (four connectors next to the output ports, plus four independent audio connectors) can provide de-embedded stereo LPCM audio from any of the inputs for amplifiers.



Highlight features

- HDMI 2.0, HDMI1.x and DVI 1.0 compliant
- Supports conversion from 4K UHD at 60Hz 4:4:4 to 4K UHD at 60 Hz YCbCr 4:2:2
- 4K@60Hz with RGB 4:4:4 color space, 18 Gbps bandwidth
- HDCP 2.2 and HDCP 1.4 compliant with cross conversion capabilities
- Fully non-blocking switching architecture with zero frame delay
- Pixel Accurate Reclocking on each input
- Advanced EDID Management
- Built-in website
- RS-232, Ethernet and USB control options
- LCD and rotary switch for front panel control
- Front to back cooling airflow
- HDR10 and Dolby Vision support
- Optional redundant power supply with 1:1 redundancy
- Analog audio embedding and de-embedding and digital-to-analog conversion of stereo LPCM

Specification*

Routing	16 input to 16 output, non-blocking architecture
Speed	18 Gbps per port
Resolution	Up to 4096x2160@60Hz at RGB or YCbCr 4:4:4 (up to 600MHz pixel clock)
Height	3RU
Mounting	Rack mountable, removable rack ears

Connectors

Power	IEC standard, 110/220V (one for normal build, two for optional redundancy)
Video inputs	19-pole HDMI 2.0
Video outputs	19-pole HDMI 2.0
Serial control	3-pole Phoenix
Ethernet	RJ45
USB	Mini USB B

* Specifications are subject to change without notice

