MX2-24x24-HDMI20

Full 4K Matrix Switcher

MX2-24x24-HDMI20 is a member of the Lightware HDMI 2.0 standalone matrix switcher family that supports uncompromised 4K UHD resolution at 60Hz 4:4:4.

It has a huge number of input and output ports resulting in outstanding port density that makes it particularly suitable for rental and fix-install applications and for future-proof operation centers. It is a perfect choice for installations where a huge number of HDMI 2.0 compliant input and output ports are required.

This standalone product has 24 HDMI2.0 inputs and 24 HDMI2.0 outputs transmitting up to 4K at 60Hz in 4:4:4 format, while supporting 3D, Dolby TrueHD and DTS-HD Master Audio.

Highlight features

- HDMI 2.0, HDMI 1.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 colorspace, 18 Gbit/sec 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, push buttons 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

Specification*

Routing	24 input to 24 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	4RU
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

Port diagram

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