

MX2-24x24-HDMI20

Full 4K HDMI 2.0 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.

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

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 HDMI.0 outputs transmitting up to 4K at 60Hz in 4:4:4 format, while supporting 3D, Dolby TrueHD and DTS-HD Master Audio.

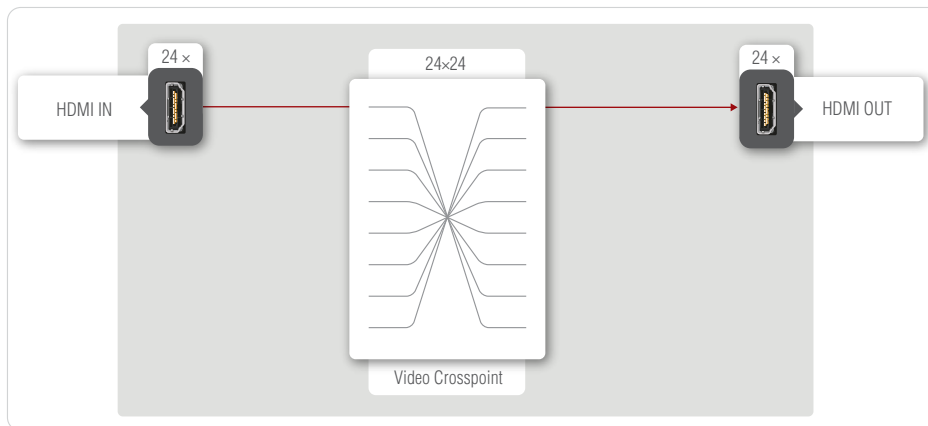
Specificatio

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	24x 19-pole HDMI 2.0
Video outputs	24x 19-pole HDMI 2.0
Serial control	3-pole Phoenix
Ethernet	RJ45
USB	Mini USB B

Port diagram



Please see the below table for the comparison of the HDMI 2.0 MX2 matrix switcher series:

Product	Inputs			Outputs			Front panel I/O buttons	Front panel LCD menu	Redundant power supply
	HDMI	DP	Audio	HDMI	DP	Audio			
MX2-16x16-HDMI20	16x	✗	✗	16x	✗	✗	✓	✓	✗
MX2-24x24-HDMI20	24x	✗	✗	24x	✗	✗	✓	✓	✗
MX2-16x16-HDMI20-Audio	16x	✗	4x	16x	✗	4xH+4xA	✗	✓	✗
MX2-24x24-HDMI20-Audio	24x	✗	8x	24x	✗	8x	✗	✓	✗
MX2-16x16-HDMI20-R	16x	✗	✗	16x	✗	✗	✓	✓	✓ (PowerCON)
MX2-24x24-HDMI20-R	24x	✗	✗	24x	✗	✗	✓	✓	✓ (PowerCON)
MX2-16x8-HDMI20-Audio-R	16x	✗	4x	8x	✗	4xH+4xA	✗	✓	✓ (PowerCON)
MX2-16x16-HDMI20-Audio-R	16x	✗	4x	16x	✗	4xH+4xA	✗	✓	✓ (PowerCON)
MX2-24x24-HDMI20-Audio-R	24x	✗	8x	24x	✗	8x	✗	✓	✓ (PowerCON)
MX2-32x32-HDMI20-A-R	32x	✗	16xH	32x	✗	8xH+8xA	✓	✓	✓ (PowerCON)
MX2-48x48-HDMI20-A-R	48x	✗	16xH	48x	✗	16xH	✓	✓	✓ (PowerCON)

H: next to HDMI

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A: independent audio out