

HDMI 2.0 Compatible Full 4K Matrix Switcher



The MX2-8x8-HDMI20 L is an HDMI 2.0 compatible, standalone matrix switcher that supports uncompromised 4K UHD resolution at 60Hz 4:4:4.

Its compact size, silent design and its crosspoint switching front panel keys make it particularly suitable for live events. This standalone product has 8 HDMI 2.0 inputs and 8 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.

The MX2-8x8-HDMI20 L matrix switcher supports both HDR and Dolby Vision in the HDMI signal

Highlight features

- Maximum resolution 4K UHD @60Hz RGB 4:4:4, up to 18 Gbps
- HDMI 2.0, HDMI 1.4 and DVI 1.0 compliant
- HDR and Dolby Vision support
- HDCP 2.2 and HDCP 1.4 compliant with cross conversion capabilities
- Uncompressed video up to 18 Gbps datarate (600 MHz pixel clock)
- Supports all embedded audio formats (including PCM, Dolby Digital and DTS high bitrate audio)
- Front to back cooling airflow
- Built-in universal power supply
- HDCP enable/disable function on input
- Advanced EDID Management and Pixel Accurate Reclocking
- Front panel LCD menu and buttons for crosspoint control
- Intuitive control software for device configuration

Specification

Routing	8 input 8 output, non blocking architecture
Speed	18 Gbps per port
Resolution	Up to 4096x2160@60Hz at RGB 4:4:4 (up to 600MHz pixel clock)
Dimensions	1RU height, 442 W x 277.5 D x 43,7 H mm
Mounting	Rack mountable, removable rack ears

Connectors

Power	IEC standard, 110/220V
Video inputs	8 x HDMI 2.0
Video outputs	8 x HDMI 2.0
Serial control	3-pole Phoenix
Ethernet	RJ45
USB	Mini USB

- Device control via Ethernet (TCP/IP), RS-232 and USB
- CEC support (command injection)
- Built-in website for device configuration
- Firmware upgrade through Ethernet
- No signal latency, zero frame delay

Please see the below table for the comparison of the compact 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			
MX2-4x4-HDMI20-CA	4x	✗	✗	4x	✗	2x	✗	✓	✗
MX2-8x4-HDMI20-CA	8x	✗	2x	4x	✗	2x	✗	✓	✗
MX2-8x8-HDMI20-CA	8x	✗	2x	8x	✗	2x	✗	✓	✗
MX2-8x8-HDMI20-L	8x	✗	✗	8x	✗	✗	✓	✓	✗
MX2-8x8-HDMI20-Audio-L	8x	✗	8x	8x	✗	8x	✓	✓	✗