

HDMI 2.0 Compatible Full 4K Matrix Switcher



The MX2-8x4-HDMI20-CA is a HDMI 2.0 compatible, standalone matrix switcher that supports uncompromised 4K UHD resolution at 60Hz 4:4:4.

Its compact size and silent design make it particularly suitable for offices and meeting rooms and other corporate collaborative environments. This device is also perfect for home theater enthusiasts who demand the highest quality along with HDMI 2.0 and 4K@60Hz video signals. This standalone product transmit video signals up to 4K at 60Hz in 4:4:4 format, while supporting 3D, Dolby TrueHD and DTS-HD Master Audio. The 2x audio connectors at the input ports are for embedding analog audio into the HDMI stream. The 2x audio connectors next to the output ports can provide de-embedded audio for amplifiers and audio systems; the output volume is adjustable.

These matrix switchers support both HDR and Dolby Vision in the HDMI signal.

Highlight features

- 4K @ 60Hz with RGB 4:4:4 colorspace, 18 Gbps data rate
- Supports conversion from 4K UHD@60Hz 4:4:4 to 4K UHD@60 Hz YCbCr 4:2:2
- HDMI 2.0, HDMI 1.x and DVI 1.0 compliant
- HDCP 2.2 and HDCP 1.4 compliant
- Fully non-blocking switching architecture with zero frame delay
- Built-in web control
- RS-232, Ethernet and USB control options
- HDR and Dolby Vision support
- Advanced EDID Management
- Compact and silent design
- LCD and push buttons for front panel control
- Front to back cooling airflow
- Volume control for all audio output ports

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	✓	✓	✗

Specification

Routing	8 input 4 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	4 x HDMI 2.0
Audio inputs	2x Stereo, balanced, 5-pole Phoenix
Audio outputs	2x Stereo, balanced, 5-pole Phoenix
Serial control	3-pole Phoenix
Ethernet	RJ45
USB	Mini USB