

CR-MXB44SL

UHD HDMI matrix switcher



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Product overview

CR-MXB44SL 4K60 4:4:4 HDMI matrix is a multi-purpose high-speed video processing system. It can be configured for 2 different output modes. It can perform as a 4×4 seamless matrix switcher, as a 2×2, 4×1 or 1×4 etc video wall solution.

It also features a web browser interface module for control and configuration of the matrix when used stand-alone or with a third party control system. Control options include front-panel push buttons, IR remote control, RS-232 interface and TCP/IP.

Features

- Compliant HDMI 2.0b
- Compliant HDCP 2.2 and HDCP 1.4
- Features 2 operational modes:
 - 4×4 Matrix (seamless switch)
 - Video wall (2×2, 4×1 or 1×4 etc configuration)
- Seamless video switching
- Video inputs support all industry standard video resolutions including VGA-WUXGA (up to 1920×1200 @60Hz) and 480i-4K (3840 x 2160 @60Hz 4:4:4, 4096 x 2160 @60Hz 4:4:4)
- HDMI outputs support upscale or downscale to any resolution, up to 4096 x 2160@60Hz 4:4:4
- Support LPCM, DD, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through
- Advanced EDID management
- Web interface module for control and configuration of Matrix
- Control via front panel, IR, RS-232 and TCP/IP
- 3rd Party drivers available for all major home control brands

Specifications

The parameter name	CR-MXB44SL
Interface	Input: 4 x HDMI Type A [19-pin female] Output: 4 x HDMI Type A [19-pin female] Other: 1 x RS-232 [3pin-3.81mm phoenix connector]; 1 x TCP/IP [RJ45]; 1 x IR EXT [3.5mm Stereo Mini-jack]
HDMI Version	HDMI2.0b, HDCP2.2/1.4
Video bandwidth	594MHz / 18Gbps
Video Resolution	Input: VGA-WUXGA (up to 1920×1200@60Hz), 480i-4K (3840x2160@60Hz 4:4:4, 4096x2160@60Hz 4:4:4) Output: 4096x2160p60, 4096x2160p50, 3840x2160p60, 3840x2160p50, 3840x2160p30, 1920x1080p60, 1920x1080p50, 1920x1080i60, 1920x1080i50, 1920x1200p60rb, 1360x768p60, 1280x800p60, 1280x720p60, 1280x720p50, 1024x768p60, auto
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:2:0
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)
Housing	Metal Enclosure
Color	Black
Dimensions	270mm (W) × 168mm (D) × 30mm (H)
Weight	1165g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	19.56W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

System connection diagram

