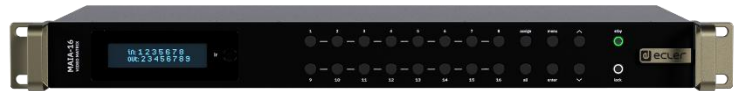


MAIA-16

MATRIXES

HDMI® 4K 60Hz 16x16 Matrix



PRODUCT OVERVIEW

MAIA-16 is a 16x16 HDMI® matrix designed for professional environments that requires flexible routing of 4K video and audio signals. Especially suited for installations with a high number of sources and local displays that require organized and efficient content distribution. It combines intuitive control and management to simplify day-to-day operation in complex AV systems. It provides a reliable solution for dynamic presentation and distribution needs.

KEY FEATURES

- Matrix signal distribution with HDMI® inputs and outputs, supporting independent routing.
- Support for HDMI® video up to 4K 60Hz 4:4:4 as specified in HDMI 2.0b.
- Built-in downscaling for non-compliant 4K 60Hz 4:4:4 endpoints.
- Support for 16 user-defined presets.
- Stereo balanced analogue audio extraction via Euroblock connectors.
- Support for HDR10, HDR10+, Dolby Vision and HLG video signals.
- Support for ARC and audio formats including LPCM 2.0/5.1/7.1CH, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X.
- Control options include front panel with display, IR remote, RS-232, TCP/IP, and WebGUI.
- Advanced EDID management.
- HDCP 2.2 compliant.
- IR control extension.
- On desk and Rack mount installation options.

APPLICATIONS

- Retail
- Hospitality
- Sport & Wellness
- Education
- Corporate

TECHNICAL SPECIFICATIONS

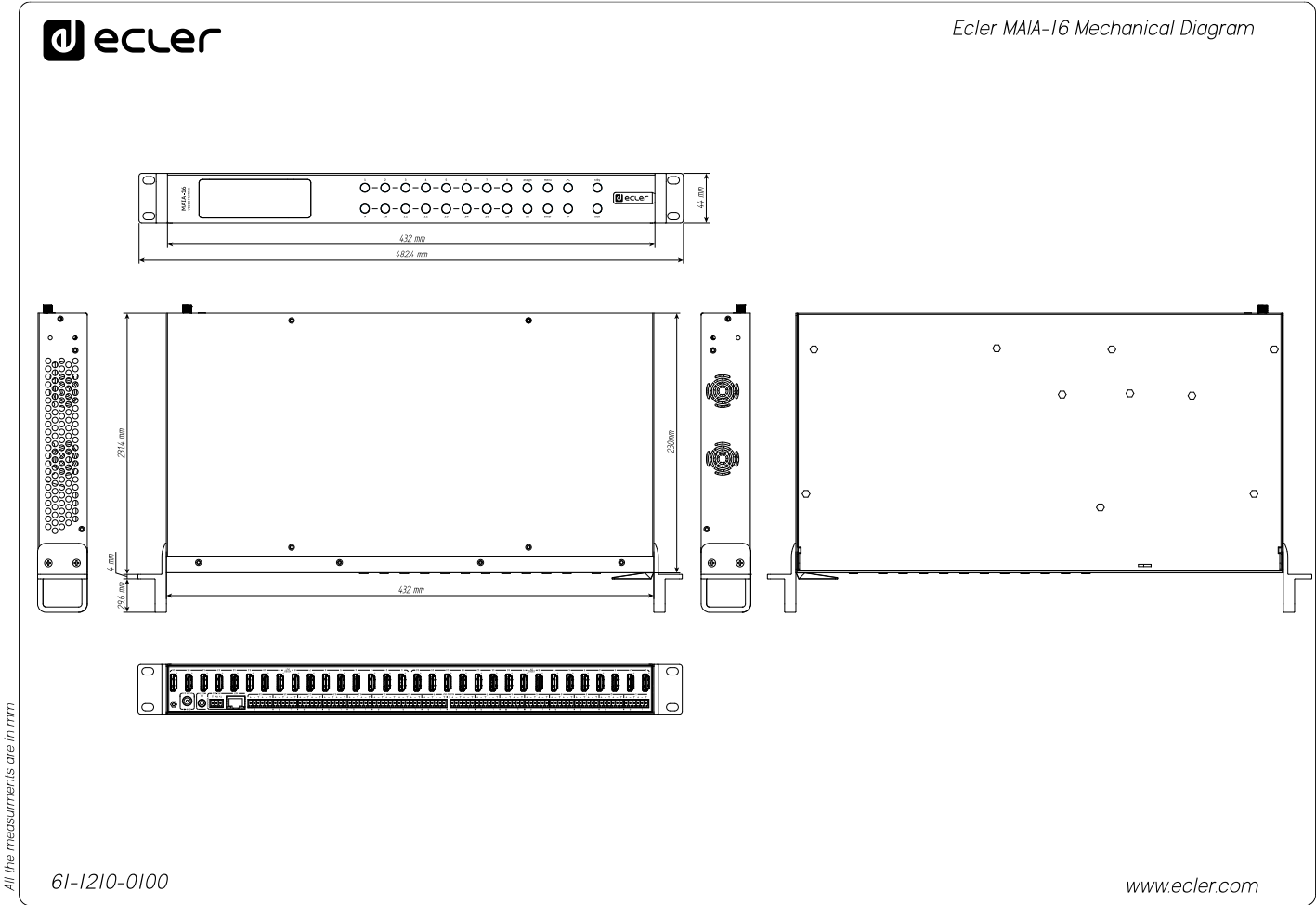
MAIA-16

Video Performances	
Video Input Connectors	16x HDMI® Type A Female, 2.0b, 18 Gbps
Video Output connectors	16x HDMI® Type A Female, 2.0b, 18 Gbps
Video Input Resolution	480i, 480p, 720i, 720p, 1080i, 1080p, 4K up to 60Hz
Video Output Resolution	480i, 480p, 720i, 720p, 1080i, 1080p, 4K up to 60Hz
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Colour Depth	8-bit (4K 60Hz 4:4:4), 10-bit / 12-bit (4K 30Hz 4:2:2 – 4:2:0)
Colour Space	RGB, YCbCr
HDCP	2.2
HDR	HDR10, HDR10+, Dolby Vision, HLG
Video Composing Capabilities	No
Seamless Switching	No
Scaling Features	Yes
HDMI Distance	Up to 4K/60Hz: 5m with IN/OUT HDMI® Cable Up to 4K/30Hz: 10m with IN/OUT HDMI® Cable Up to 1080P/60Hz: 15m with IN/OUT HDMI® Cable
Audio Performances	
Audio Input Connectors	No
Audio Output Connectors	16x 6-pin Euroblock connector (16x Stereo Balanced Out)
Audio Formats	LPCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio
Sample Rate	24KHz, 96KHz
Bit Depth	Up to 24-bit
Frequency Response	20Hz-20KHz (±3dB)
ARC/eARC	ARC: Yes
Audio De-Embedding	Yes
Audio Embedding	No
Device Control	
Control Connectors	1x RJ45, 1 x RS-232, 1 x 3-pin Euroblock, 1x Jack 3,5mm
Control Protocols	Web, TCP, Telnet, RS-232, IR, IR remote Control
Control Buttons	Stby, Lock, Settings, Input/Output Selection
EDID Management	Control Screen, Web GUI, Remote control commands
Status Indicators	Stby LED, Lock LED, LCD Display
Pass-Through Control	
Pass-through Connectors	HDMI®
Pass-through Protocols	CEC
Electrical	
Power Supply	External Power supply External: Input 100-240 VAC - 50/60Hz, Output: 24VDC-3.75A
AC Mains Connector	External PSU. Included 4 region power blades (UK,US,AU,EU)
DC Mains Connector	DC coaxial
Power Consumption	76.8W

Physical

Operating Temperature	Min: -10°C / 14°F Max: 45°C / 113°F
Operating Humidity	20 - 90% RH, no-condensing
Storage temperature	Min: -20°C / -4°F Max: 60°C / 140°F
Installation Options	Desktop, 19" rack
Included Accessories	1x 24V/3.75A EU power Adapter, 1x IR Remote Control, 1x USB to RS-232 Serial Cable (1.5m, male to female)
Dimensions (WxHxD)	432 × 44 × 230 mm / 17.01 × 1.73 × 9.01 in.
Shipping Dimensions (WxHxD)	590 × 80 × 420 mm / 23.23 × 3.15 × 16.54 in.
Weight	3.1 Kg / 6.83 lb
Shipping Weight	5.5 Kg / 12.13 lb
Chassis Material	Metal
Finished Colour	Black

MECHANICAL DIAGRAM



All the measurements are in mm.