

MP-HD-44AE-H2 KIT

4x4 HDMI 2.0 Matrix with 3 Receivers



Professional 4x4 HDMI V2.0 matrix switcher with audio breakout, three CATx extension outputs, HDMI loop output, EDID management, HDCP 2.2 support, down-scaling, and front-panel/IR/RS232/TCP-IP control.

Key Features

- Supports 4K@60Hz 4:4:4, HDR and HDCP 2.2.
- Extends 4K/1080p HDMI signals up to 70 m over a single CATx cable.
- HDMI outputs support 4K-to-1080p down-scaling.
- Audio de-embedding via digital SPDIF and analog stereo outputs.
- Control via front panel, IR, RS232 and TCP/IP/Web GUI.
- CATx outputs provide 12V PoC power to the receivers.
- Bi-directional IR pass-through support.

Matrix Switcher Specifications

Model	MP-HD-44AE-H2
Video Inputs	(4) HDMI
Input Connector	(4) Type-A female HDMI
HDMI Input Resolution	Up to 4K@60Hz 4:4:4, HDR
Video Outputs	(3) CATx, (2) HDMI
Output Connector	(3) RJ45, (2) Type-A female HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4, HDR10
CATx Output Distance	Up to 70 m
HDCP Version	Up to 2.2
HDMI Audio Pass-through	LPCM 7.1, Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, DTS:X, DTS-HD Master Audio
Audio Outputs	(1) Digital SPDIF, (1) Analog stereo
Audio Connectors	(1) Toslink, (1) 3.5 mm jack
SPDIF Audio Format	PCM, Dolby Digital, DTS, DTS-HD
Analog Stereo Format	PCM

Audio, Control & General Specifications

Frequency Response	20 Hz – 20 kHz, ±3 dB
Max Output Level	±0.05 dBFS
THD+N	< 0.1%, 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0 dBFS level (or max level)
SNR	> 90 dB, 20 Hz – 20 kHz bandwidth
Crosstalk Isolation	< -70 dB, 10 kHz sine at 0 dBFS level (or max level before clipping)
Noise	-90 dB
Control Ports	(1) IR EYE, (1) RS232, (1) TCP/IP
Control Connectors	(1) 3.5 mm jack, (1) 3-pin terminal block, (1) RJ45
Transmission Distance	4K/60Hz/4:4:4: 5 m; 4K/60Hz/4:2:0: 10 m; 1080p: 15 m
Bandwidth	18 Gbps
Operating Temperature	-5°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10% – 90%
Power Supply	Input: AC 100–240 V, 50/60 Hz; Output: 24 V DC, 2.71 A
Power Consumption	26 W
Dimensions (W×H×D)	380 × 28.5 × 167 mm
Net Weight	1.6 kg

Receiver Specifications — MPTP-T60SR-H2

Receiver Input	(1) CATx IN
Input Connector	(1) RJ45
Receiver Output	(1) DISPLAY
Output Connector	(1) 19-pin Type-A female HDMI
Control	(1) IR IN, (1) IR OUT
Control Connectors	(2) 3.5 mm mini jacks
Video Resolution	Up to 4K@60Hz 4:4:4, HDR10
HDMI Audio Format	LPCM 2ch/5.1ch/7.1ch; Dolby Digital 2ch/5.1ch; DTS 2ch/5.1ch; DTS 96/24 5.1ch
Transmission Distance	4K/1080p ≤ 70 m (230 ft)
HDMI Version	HDMI V2.0
HDCP Version	HDCP 2.2 compliant
EDID	EDID management
Power Supply	Input: 100–240 VAC, 50/60 Hz; Output: 12 VDC, 1 A
Power Consumption	4 W (Max)
Operating Temperature	-5°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10% – 90%
Dimensions (W×H×D)	80 × 16.8 × 80 mm
Net Weight	70 g

Package Contents

• 1× MP-HD-44AE-H2 Matrix Switcher
• 3× MPTP-T60SR-H2 Receivers
• 2× Mounting ears with 4 screws
• 4× Plastic cushions
• 5× IR receivers and 5× IR emitters
• 1× IR remote
• 1× RS232 cable (3-pin to DB9)
• 1× Power adaptor (DC 24V 2.71A)
• 3× Velcro strips
• 1× User manual

Source: Supplied MP-HD-44AE-H2 KIT User Manual, Version MP-HD-44AE-H2 KIT_2024V1.0.