4K HDBaseT™ 8x8 Matrix Switcher

Drive the Distance with 4K Ultra HD to Eight Outputs, De-embed Audio, IR & RS-232

MPN: MX-HDBASE8X8-4K

The KanexPro MX-HDBASE8X8-4K matrix switcher is a professional 8 HDMI input to 8 HDBaseT output switch with 4 HDMI mirrored outputs designed for routing 4K/UHD applications. For proficient audio capabilities it includes 8 auxiliary audio inputs for stereo and 8 stereo outputs for HDMI audio de-embedding and 8 IR inputs.
The HDMI inputs from the matrix can be controlled via front panel buttons, bi-directional IR & RS232, or in GUI mode using Ethernet. The selected source is delivered to HDMI Output 1~4(for HDMI input 1~4) & HDBaseT outputs 1~8 (easy extension to 70m at 1080p and 40m at 4Kx2K on a single CAT5e/6 connection with optional PoE based HDBaseT receivers) simultaneously. The unit provides built-in EDID and HDCP management.

Please note: The HDBASE70POER receivers are not included with this matrix switcher please contact our sales team on ordering these.

FEATURES

- Ultra-fast 8x8 switching with instant display
- Distribute eight HDBaseT outputs up to 70m at 1080p & 40m at 4Kx2K on a single CAT5e/6 cable
- Supports power over Ethernet (PoE) to all eight receivers
- Four HDMI mirrored outputs for local monitor support
- RGB/YCbCr 4:4:4, YCbCr: 4:2:2, 4K/30Hz
- Dedicated audio zones for digital and stereo audio
- Advanced EDID & HDCP management
- Bi-directional IR & RS-232 control
- Built-in GUI using Ethernet connectivity
- IR remote control included
- 19" (1U) rack-mountable steel enclosure
- External International power supply (100V-240V AC,50/60Hz)

SPECIFICATIONS

Input / Output Connections:
8 x HDMI Input
4 x HDMI Mirrored Output
8 x HDBaseT Output

Bandwidth: 10.2 Gbps

Video Signal: HDMI (or DVI-D)

Resolution range: 1080p/60, 3D & 4Kx2K@30Hz

Transmission Distance:
1080p@60Hz =70m
4Kx2K@30Hz =40m
4Kx2K@30Hz = 8m via HDMI

Switching Speed: 200ns (Max)

EDID Management: Built-in EDID data and auto detect resolutions

HDCP: HDCP 1.4, auto & manual HDCP management.

Audio Inputs & outputs:
8 x Stereo audio over 3-pin terminal blocks
8 x HDMI

Stereo Output:

PCM: Distortion 0.1% 32 Ohms/70mW@1KHz, 0.1% 16 Ohms/105mW @1KHz

HDMI Output: Supports PCM, Dolby Digital, DTS, DTS-HD

Frequency Response: 20Hz~20KHz

Controls: Bi-directional Wideband IR, RS-232 & Web-based GUI
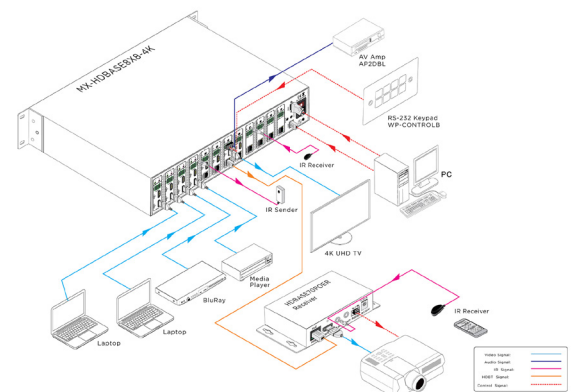
Power Supply: 100V-240V AC

Power Consumption: 103W (Full load)

Dimensions: (W*H*D) 437 x 87.8 x 380 mm

2 RU rack mountable

Product Weight: 5.4 Kg

Regulatory approvals: UL, FCC, CE, RoHs

Warranty: 3 Years