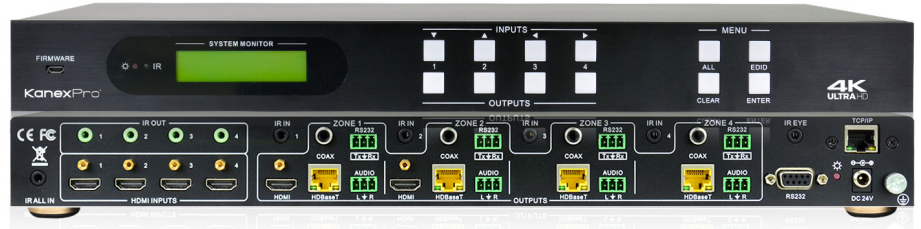# 4K HDBaseT™ 4x4 Matrix Switcher

Drive the Distance with 4K Ultra HD to Four outputs, De-embed audio, IR & RS-232

MPN: MX-HDBASE4X4-4K

The **KanexPro MX-HDBASE4X4-4K matrix switcher** is a professional 4 HDMI input to 4HDBaseT output switch with 2 HDMI mirrored outputs designed for routing 4K/UHD applications. For proficient audio capabilities it includes 4 auxiliary audio input for stereo and audio de-embedding using digital coax. Supporting HDMI High Speed Specifications featuring data rates up to 10.2 Gbps, Deep Color up to 16-bit, 3D, Lip Sync, and HD lossless audio formats.

The HDMI inputs from the matrix can be controlled via front panel buttons, IR, RS232, or GUI using Ethercon. The selected source is delivered to HDMI Output 1~2 (for HDMI input 1~2) & HDBaseT outputs 1~4 (easy extension to 70m at 1080p and 35m at 4Kx2K on a single CAT5e/6 connection with HDBaseT optional receivers, with PoE) simultaneously. The unit has a built-in EDID management and HDCP.

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

FEATURES

- Ultra-fast 4x4 switching with instant display
- Distribute four HDBaseT outputs up to 70m at 1080p & 35m at 4Kx2K on a single CAT5e/6 cable
- Supports power over Ethernet (PoE) to all four receivers
- Two 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:
4 x HDMI Input
2 x HDMI Mirrored Output
4 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 =35m
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:
Output Signal
- Stereo audio
- Digital audio

Stereo Output:
- Headphone output: distortion 0.1% 32Ω/70mW@1KHz, 0.1% 16Ω/105mW @1KHz, support PCM

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

Frequency Response: 20Hz-20KHz
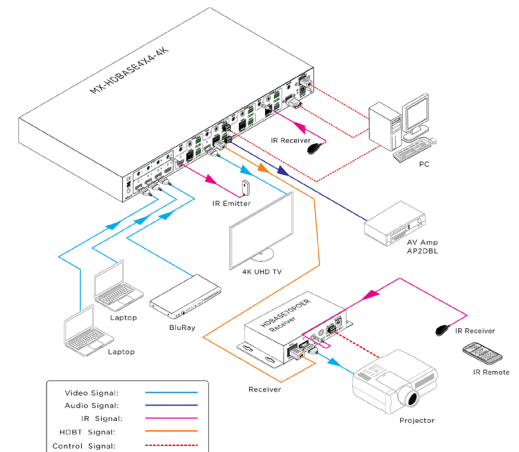
Control: IR, RS-232 & Web-based GUI

Power Supply: DC 24V 2.5A

Power Consumption: 48W (Max)

Dimensions: (W*H*D) 437 x 44 x 235 mm - 1U high, full rack wide

Product Weight: 2.0Kg

Regulatory approvals: UL, FCC, CE, RoHs

Warranty: 3 Years