8×8 HDBaseT Matrix Switcher with 4K60 & CAT Extension (70m)

18Gbps 8-Source HDMI Matrix with Mirrored CAT Outputs, PoC Receivers & Web GUI

MPN: MMX-8X8CAT-70M

Route eight HDMI sources to sixteen simultaneous displays with full 4K60 4:4:4 fidelity over both direct HDMI and extended CAT6 at up to 230ft (70m). The KanexPro MMX-8X8CAT-70M is an 18Gbps 8×8 HDMI matrix switcher with mirrored HDBaseT CAT outputs that extend every channel over a single CAT6 cable to the included PoC-powered receivers. 12V Power over Cable eliminates the need for a separate power supply at each remote display location.

HDMI 2.0b, HDCP 2.2/1.x, HDR10/HDR10+/Dolby Vision/HLG pass-through, and full HD audio including LPCM 7.1, Dolby TrueHD, and DTS-HD MA. Independent 4K→1080p downscaler per output. One-way IR matrix routing, CEC control, and advanced EDID management (21 factory presets + copy modes). RS-232, TCP/IP, Web GUI, and IR remote control. 1U rack-mountable.

4K60	8×8	230ft	12V PoC	Web GUI
4:4:4 HDR 18Gbps	HDMI Matrix Switcher	70m CAT6 Extension	No Remote Power Supply	RS-232 / IP Control

KEY FEATURES

- 8 HDMI 2.0b inputs • 8 HDMI + 8 mirrored CAT outputs • 8 PoC CAT receivers included
- 4K60 4:4:4 at 18Gbps on all HDMI and CAT ports • HDCP 2.2/1.x • DVI 1.0 compatible
- HDR10, HDR10+, Dolby Vision, HLG pass-through on all outputs
- CAT6 extension up to 230ft / 70m per run • 12V PoC powers receivers over cable
- Independent 4K→1080p downscaler per output for mixed-resolution display environments
- LPCM 7.1, Dolby TrueHD, DD+, DTS-HD Master Audio, DTS-X audio pass-through
- One-way IR matrix routing • CEC display control • 21 factory EDID presets + copy modes
- Control via front panel, IR remote, RS-232, TCP/IP (LAN), and browser-based Web GUI
- 1U rack-mountable metal enclosure • Compatible with Crestron, AMX, and third-party control systems

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0b • HDCP 2.2/1.x • DVI 1.0
Video Resolution	Up to 4K2K@60Hz (YUV 4:4:4)
Video Bandwidth	18 Gbps
HDR Formats	HDR10 • HDR10+ • Dolby Vision • HLG
Audio	LPCM 7.1, Dolby Digital, Dolby TrueHD, DD+, DTS-ES, DTS-HD MA, DTS-X
I/O	8× HDMI In • 8× HDMI Out • 8× CAT Out [RJ45, 12V PoC]
CAT Extension	230ft / 70m via single CAT6 cable • 12V PoC to receivers
Downscaler	Independent 4K→1080p per output
Control	Front Panel • IR Remote • RS-232 • TCP/IP • Web GUI
Dimensions	440 × 250 × 44.5 mm (1U) • 3.2kg matrix • 155g receiver
Power	AC 100–240V → DC 12V/5A • 50W max

PACKAGE CONTENTS

1× MMX-8X8CAT-70M Matrix • 8× CAT Receivers • 1× IR Remote • 1× 12V/5A Power Supply • 1× RS-232 Cable • IR Blaster & Receiver Cables • Mounting Ears • User Manual