

Modular 4K 60Hz Matrix Chassis with Independent Scaling & Video Wall






Scalable HDMI-over-CAT Switcher (8x10 to 24x60) with Per-Output Resolution Control, Quad View & CEC Display Management



MPN: FLEX-MF8X10

Eliminate the tradeoff between scalability and simplicity in multi-zone video distribution. The KanexPro FLEX-MF8X10 is a modular 4K 60Hz matrix chassis that routes up to 8 HDMI sources to 10 CAT-extended displays with independent per-output scaling — so every screen receives the correct resolution regardless of source format, without external converters or additional processing.

Built on a modular card architecture that scales from 8x10 to 24x60 within the FLEX chassis family, the matrix supports HDMI 2.0 at 18Gbps with HDCP 2.2, HDR pass-through, and full 4K60 4:4:4 color. Integrated video wall mode (up to 4x3), quad view monitoring, comprehensive EDID management, and CEC display power control reduce system complexity and eliminate the need for separate processing hardware. Control via front-panel touchscreen, RS-232, TCP/IP, or Web GUI.

 4K60 4:4:4 HDR 18 Gbps	 Modular Scalable I/O Card Slots	 Scaling Per-Output Resolution	 Video Wall Up to 4x3 30 Groups	 Control RS-232 / IP Web GUI
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KEY FEATURES

- Routes up to 8 HDMI 2.0 sources to 10 CAT-extended displays at 4K60 4:4:4 with 18Gbps bandwidth and HDCP 2.2/1.x compliance
- Independent per-output scaling — each display receives its native resolution (480p to 4K60) from the same source, eliminating external scalers
- Video wall mode supports up to 4x3 configurations with 30 independent wall groups, adjustable bezel compensation, and preset output resolutions
- Quad view displays four sources on a single output in three selectable layouts — ideal for confidence monitoring without additional hardware
- Modular card architecture: swap input cards (8-port HDMI) and output cards (12-port CAT) to scale from 8x10 up to 24x60 without chassis replacement
- HDR support with Dolby Digital, Dolby TrueHD, DD+, DTS-HD Master, DTS:X, and LPCM up to 7.1-channel audio pass-through
- CEC display control powers connected TVs on/off and sends custom CEC commands through CAT receivers — reduces installation touchpoints
- Full control via front-panel touchscreen, RS-232, TCP/IP, and Web GUI with 8 user presets for instant scene recall

SPECIFICATIONS

HDMI / HDCP	HDMI 2.0 • HDCP 2.2/1.x
Video Resolution	Up to 3840x2160 @ 60Hz 4:4:4 (8-bit)
Color / HDR	8/10/12-bit • RGB, YCbCr 4:4:4/4:2:2/4:2:0 • HDR
Audio Formats	LPCM 2.0–7.1, DD, DD+, TrueHD, DTS-ES, DTS-HD MA, DTS:X
I/O (FLEX-MF8X10)	8x HDMI In (1 card) • 10x CAT Out (1 card)
Output Scaling	Independent per-output: Auto, 480p–4K60, 1024x768, 1280x1024, 1920x1200
Video Wall	Up to 4x3 per group • 30 groups • Bezel compensation
Quad View	3 layouts • Per-output • Configurable resolution
Control	Front Panel (Touch) • RS-232 (D-Sub 9) • TCP/IP (RJ45) • Web GUI
Enclosure	Metal • 445x355x450 mm (17.5x14x17.7 in) • 21 kg (46 lbs)
Power / Environment	100–240VAC 50/60Hz • 540W • 32–104°F • 10–90% RH

PACKAGE CONTENTS

1x FLEX-MF8X10 Matrix Chassis • Input/output cards sold separately



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