

8x8 HDBaseT Matrix Switcher with 4K60 & CAT Extension (150m)

18Gbps 8-Source HDMI Matrix with Long-Range 150m CAT, PoC Receivers & Web GUI

MPN: MMX-8X8CAT-150M • MSRP: \$3,199.96



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators and system designers specifying large-venue, enterprise campus, or institutional AV distribution requiring long-range 4K extension with integrated audio de-embedding for amplifiers and DSPs.

THE CHALLENGE

Large venues — houses of worship, university buildings, enterprise campuses — need to distribute 4K video across entire floors or wings (often 300–500ft) while also feeding audio systems independently. Most matrix solutions require separate audio extractors and external receiver power supplies, adding cost and complexity.

THE KANEXPRO ADVANTAGE

The MMX-8X8CAT-150M reaches 492ft on a single CAT cable, powers all receivers via 24V PoC, and includes coaxial + balanced analog audio outputs on every HDBaseT port — eliminating the need for separate audio extractors. All 8 receivers are included. A single 2U unit handles 8 sources, 8 video zones, and 8 audio zones simultaneously.

2 PRODUCT POSITIONING

For AV integrators designing large-venue or campus-wide distribution, the KanexPro MMX-8X8CAT-150M delivers 8x8 4K60 switching, 492ft HDBaseT reach, and built-in coaxial + balanced audio de-embedding on every port — replacing a matrix, audio extractors, and remote power supplies with a single 2U unit.

3 APPLICATIONS



Houses of Worship

Sanctuary, overflow rooms, and lobby displays with audio to mixing console.



University Campuses

Cross-floor and cross-wing distribution — 150m covers most building runs.



Performing Arts Centers

Stage, greenrooms, lobbies, and technical booths from one equipment room.



Enterprise Campuses

Head-end to meeting rooms and common areas across an entire floor or wing.



Broadcast Facilities

8 source feeds to monitoring stations with balanced audio to audio console.



Multi-Zone Audio/Video

Independent video and audio zones from one unit — no separate extractors.

4 WHO THIS IS FOR

AV Integrators

System Designers

Houses of Worship

University AV

Ideal User	Senior AV integrator or systems architect specifying enterprise or large-venue installations requiring maximum reach and integrated audio distribution.
Project Types	Houses of worship, university/higher education, performing arts centers, enterprise corporate campuses, government facilities, broadcast production facilities.
Typical Buyer	AV systems integrator (lead designer/specifier), institutional AV director, or broadcast facilities manager.

5 KANEXPRO PRODUCT COMPARISON

Four models in the KanexPro professional HDBaseT matrix series. The 150M models add longer reach and audio de-embedding vs the 70M models.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
MMX-8X8CAT-70M	8-source, 230ft reach, no audio de-embed	8×8 matrix, 70m CAT, 12V PoC	Lower cost, shorter reach, no audio outputs
MMX-4X4CAT-150M	4-source, 492ft reach, with audio de-embed	4×4 matrix, 150m HDBaseT, coax + balanced	Same audio capability, fewer sources, 1U
MMX-8X8CAT-150M ✓	Largest long-range with full audio	8×8 matrix, 492ft/150m, coax + balanced audio	This model — maximum I/O, range, and audio outputs
MMX-4X4CAT-70M	Small install, short reach	4×4 matrix, 70m CAT, no audio de-embed	Entry-level, 4 inputs, 70m only

✓ Choose MMX-8X8CAT-150M for 8-source installations requiring 492ft reach with integrated audio de-embedding.

6 FREQUENTLY ASKED QUESTIONS

Q: What is the 4K60 maximum distance?

A: 4K60 4:4:4 is supported to 394ft / 120m. For 1080p signals the maximum is 492ft / 150m via CAT5e/6/7.

Q: What audio formats are supported on the de-embedded outputs?

A: Coaxial outputs support PCM 2.0, Dolby Digital/Plus, and DTS 5.1. Balanced analog outputs carry PCM 2.0CH stereo (Vmax 2Vrms, SNR >90dB).

Q: Do receivers need external power?

A: No. 24V PoC is provided on all 8 HDBaseT ports. Receivers are powered through the CAT cable.

Q: Is this Crestron/AMX compatible?

A: Yes. RS-232 D-Sub 9 and TCP/IP ports support full third-party control system integration.

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