

16×20 4K60 Modular Matrix Switcher with Built-In Video Wall

The Sports Bar Matrix — 16 Sources to 20 Screens with Video Wall, Quad View & 7" Touch

MPN: FLEX-MF16X20



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators serving hospitality, entertainment, and commercial multi-display environments that need scalable 4K video distribution with integrated video wall capability.

THE CHALLENGE

Traditional matrix switchers either lack video wall and scaling features — requiring additional processors that add cost and complexity — or lock integrators into proprietary ecosystems at 2–3× the price.

THE KANEXPRO ADVANTAGE

Built-in video wall (up to 12 displays), quad view, independent output scaling, and hot-swappable modular design controlled via 7" touchscreen, RS-232, TCP/IP, and Web GUI — at a fraction of premium-tier pricing.

2 PRODUCT POSITIONING

FLEX-MF16X20 is the modular 4K matrix chassis for sports bars, hospitality venues, and multi-zone commercial environments that need scalable HDMI/CAT distribution with built-in video wall and quad view — without the complexity or cost of AV-over-IP.

3 APPLICATIONS

Sports Bars & Entertainment

Route 16 sources to 20 displays with video wall for big game nights.

Hotels & Hospitality

Distribute content across lobbies, conference rooms, and restaurants from a single head-end.

Houses of Worship

Feed cameras and media to sanctuary, overflow, and lobby displays with quad view monitoring.

Digital Signage Networks

Drive up to 20 signage displays with video wall configurations up to 4×3.

Corporate Training & Events

Switch presentations across breakout rooms with zero-downtime hot-swap maintenance.

Fitness Centers & Gyms

Distribute cable and promotional content throughout the facility via CAT extension.

4 WHO THIS IS FOR

AV Integrators

System Engineers

AV Consultants

Technology Directors

Hospitality IT

Ideal User

AV system integrator, AV consultant, technology director

Project Types

Hospitality, commercial AV, live events, digital signage, fitness, education

Typical Buyer

AV integrator project manager or technology director; end-client facilities/IT director for final sign-off

5 KANEXPRO PRODUCT COMPARISON

How the FLEX-MF16X20 fits within the KanexPro switching and matrix product line:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
FLEX-MF16X20	Multi-zone venues needing video wall + scaling	16×20 modular, 4K60, video wall, quad view, 7" touch	Modular hot-swap cards, built-in video wall & quad view, Korean-made
MMX-16X16AUD	Fixed 16×16 installs needing ARC audio	16×16 HDMI, coaxial audio de-embedding, ARC	Fixed I/O, no video wall or quad view; stronger audio extraction features
FLEX-MF24X36	Larger venues (24 inputs / 36 outputs)	Same platform, more I/O slots	Bigger chassis for enterprise-scale; same features, more capacity

Best fit: Multi-zone venues (10–20 displays) needing video wall + quad view + independent scaling in a single chassis.

6 FREQUENTLY ASKED QUESTIONS

Q: Why is the chassis priced without cards?

Modular architecture lets integrators configure exactly the I/O mix needed — HDMI, CAT, or DisplayPort cards in any combination. This avoids paying for unused ports.

Q: How does this compare to Crestron DigitalMedia?

Delivers 4K60 switching with built-in video wall and quad view at roughly 75% less than a Crestron DM chassis, without requiring a proprietary control ecosystem.

Q: What video wall configurations are supported?

Up to 4×3 (12 displays) with up to 30 independent video wall zones. Configurations include 1×12, 2×6, 3×4, 4×3, 6×2, and 12×1.

Q: Does it integrate with third-party control?

Yes — RS-232, TCP/IP, and Web GUI support Crestron, Control4, Savant, RTI, and other platforms via standard ASCII commands.

Q: What if a card fails?

Cards are hot-swappable. Pull the failed card and insert a replacement without powering down or interrupting other channels.

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