

Flex Matrix Pro 16×16 4K60 Crosspoint Modular Matrix Switcher

5-Format Crosspoint — HDMI · DisplayPort · HDBaseT · Fiber · 12G-SDI — with Dante/AES67

MPN: FLEX-PRO16X16



1 PRODUCT OVERVIEW

DESIGNED FOR

AV consultants and integrators designing multi-format signal routing for mid-size venues and corporate environments, broadcast facilities, convention centers, campuses, and government installations.

THE CHALLENGE

64-port matrices from competitors require proprietary ecosystems at \$150K+, and lack native multi-format I/O (HDMI + SDI + Fiber + Dante) in a single chassis.

THE KANEXPRO ADVANTAGE

Five modular I/O card types in a single 16×16 crosspoint with native Dante/AES67, redundant power, PoC, TAA compliance, and seamless switching — at roughly 20% less than Crestron.

2 PRODUCT POSITIONING

FLEX-PRO16X16 is the enterprise-class multi-format crosspoint matrix for mission-critical AV environments that need HDMI, DisplayPort, HDBaseT, fiber, and 12G-SDI routing with Dante audio — without Crestron ecosystem lock-in.

3 APPLICATIONS

Stadiums & Large Venues

Route 16 sources to 128 displays across concourses, suites, and control centers with video wall.

Convention Centers

Distribute keynote and signage across dozens of halls via multi-format I/O including fiber for remote buildings.

Broadcast & Production

Route 12G-SDI cameras alongside HDMI/DP sources to monitoring walls and encoders with Dante audio.

Corporate & Government

Enterprise 4K distribution across buildings using fiber (2km). Redundant PSU and TAA compliance.

Higher Education & Medical

Feed lecture halls, simulation labs, and OR theaters from centralized head-end with PoC endpoints.

Performing Arts & Worship

Manage cameras, media, and presentations across auditoriums and overflow with seamless switching.

4 WHO THIS IS FOR

AV Consultants

Systems Architects

Broadcast Engineers

Facilities Directors

Procurement Officers

Ideal User

AV consulting engineer, senior systems integrator, broadcast systems architect

Project Types

Broadcast, stadiums, convention centers, government, higher education, corporate, healthcare

Typical Buyer

AV consulting engineer (specifier); end-client CTO/facilities director; procurement officer

5 KANEXPRO PRODUCT COMPARISON

How the FLEX-PRO16X16 fits within the KanexPro product line:

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
FLEX-PRO16X16	Enterprise multi-format 16×16	5 card types, Dante, redundant PSU, TAA, PoC	THIS PRODUCT — smallest Pro chassis
FLEX-PRO16X16	Mid-size Pro (16×16)	Same multi-format cards, same features	Lower capacity/cost for venues under 64 I/O
FLEX-MF24X60	Standard FLEX (24×60)	HDMI/CAT only, video wall, quad view	No Dante/SDI/Fiber/PoC/redundant PSU; budget alternative

Best fit: Mid-size venues needing up to 16 I/O with multi-format routing, Dante audio, and mission-critical reliability.

6 FREQUENTLY ASKED QUESTIONS

Q: What makes the Pro different from standard FLEX?

Multi-format I/O (5 card types vs. 3), native Dante/AES67, redundant PSU, PoC, 12G-SDI, fiber optic, and TAA compliance. Designed for mission-critical enterprise installations.

Q: How does this compare to Crestron DM-MD128?

Multi-format I/O with native Dante at roughly 30% less cost, without proprietary ecosystem lock-in. Hot-swappable cards and redundant PSU match Crestron reliability.

Q: Is it TAA compliant?

Yes. All chassis, I/O cards, and endpoints are TAA compliant for U.S. government procurement.

Q: Can I mix signal formats?

Yes. Any combination of HDMI, DP, CAT, Fiber, and SDI cards in any slot. Crosspoint routes any input to any output regardless of format.

Q: What are the fiber distances?

Multimode: 984ft (300m). Singlemode: 6,562ft (2km). Ideal for campus-wide distribution.

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