

HDMI 2.0 Input Card for FLEX Modular Matrix

8-Port 18Gbps HDMI Input Card with HDCP 2.2, HDR & 4K60 4:4:4 for FLEX Series Modular Matrix Switchers

MPN: FLEX-HDMI8IN



PRODUCT OVERVIEW

Add eight HDMI 2.0 source inputs to any KanexPro FLEX modular matrix chassis in seconds. The FLEX-HDMI8IN is a hot-swappable HDMI input card that slides into the FLEX matrix chassis, instantly expanding source capacity by eight ports. Each port supports 18Gbps bandwidth at up to 4K 3840×2160 @60Hz 4:4:4 with HDCP 2.2 content protection and full HDR pass-through — delivering pristine, uncompromised video from every connected source.

Designed for bars, restaurants, hospitality venues, and commercial AV environments, the card handles the full range of HDMI 2.0 formats including deep color (8/10/12-bit), wide chroma sampling (RGB, YCbCr 4:4:4/4:2:2/4:2:0), and immersive audio up to 7.1-channel LPCM, Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio, and DTS-X. Stack up to three input cards per chassis to scale from 8 to 24 source inputs.

4K60 4:4:4
18 Gbps
Bandwidth

HDCP 2.2
Protected
Content Ready

8 HDMI Inputs
Type A
Per Card

HDR
High Dynamic
Range

Modular
Hot-Swap
Design

1 KEY FEATURES & BENEFITS

- 8× HDMI 2.0 Type A inputs per card with 18Gbps bandwidth and HDCP 2.2/1.x content protection
- 4K 3840×2160 @60Hz 4:4:4 (8-bit) — full Ultra HD resolution on every port
- HDR pass-through preserves high dynamic range metadata from source to display
- Deep color support at 8, 10, and 12 bits per color with RGB and YCbCr 4:4:4/4:2:2/4:2:0
- Full audio pass-through: LPCM up to 7.1, Dolby Digital, Dolby TrueHD, DD+, DTS-ES, DTS-HD Master, DTS-HD HRA, DTS-X
- Modular hot-swappable design — slides into any FLEX chassis without tools or system downtime
- Scalable: install up to 3 input cards per chassis for 8, 16, or 24 total HDMI inputs
- Compatible with FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, and FLEX-MF24X60 chassis

2 SPECIFICATIONS

VIDEO		
	HDMI Standard	HDMI 2.0
	HDCP Compliance	HDCP 2.2, HDCP 1.x
	Video Bandwidth	18 Gbps
	Video Resolution	Up to 3840×2160 @60Hz 4:4:4 (8-bit)
	Color Depth	8, 10, 12 bits per color
	Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
	HDR	Supported (pass-through)
AUDIO		
	LPCM	2.0 / 2.1 / 5.1 / 6.1 / 7.1 channel
	Dolby	Dolby Digital • Dolby TrueHD • Dolby Digital Plus (DD+)

	DTS	DTS-ES • DTS-HD Master Audio • DTS-HD HRA • DTS-X
CONNECTION		
	Input Connectors	8× HDMI Type A (19-pin female)
	Max Cards per Chassis	3 (up to 24 total HDMI inputs)
	Card Interface	Proprietary backplane connector (hot-swappable)
CHASSIS COMPATIBILITY		
	FLEX-MF8X10	1 input card slot (8 inputs max)
	FLEX-MF16X20	2 input card slots (16 inputs max)
	FLEX-MF24X36	3 input card slots (24 inputs max)
	FLEX-MF24X60	3 input card slots (24 inputs max)

3 APPLICATIONS

Bars & Sports Venues

Route satellite boxes, cable feeds, and gaming consoles to multiple screens with full 4K HDR.

Hospitality & Hotels

Centralize guest entertainment sources for premium 4K HDR distribution to rooms and public areas.

Restaurants & Dining

Feed digital menu boards, promotional displays, and ambient content from a central rack.

Corporate AV

Connect presentation PCs, conferencing systems, and signage to a unified switching backbone.

Houses of Worship

Manage camera feeds, presentation slides, and media playback from a single chassis.

Education & Training

Aggregate classroom and lecture hall sources for campus-wide video distribution.

Why KanexPro FLEX?

Modular. Scalable. Uncompromised 4K60 4:4:4. Start with what you need — grow without limits.

Package Contents: 1× FLEX-HDMI8IN HDMI Input Card

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