

HDMI 2.0 Output Card for FLEX Modular Matrix






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

MPN: FLEX-HDMI12OUT



Drive up to 12 HDMI displays from a single card slot in any KanexPro FLEX modular matrix chassis. The FLEX-HDMI12OUT is a hot-swappable HDMI output card that delivers 3× to 6× the port density of competing output cards, reducing chassis slots, rack space, and total system cost for large-display installations. Each of the 12 outputs supports 18Gbps bandwidth at up to 4K 3840×2160 @60Hz 4:4:4 with HDCP 2.2 content protection and full HDR pass-through.

Designed for hospitality, corporate campuses, education facilities, broadcast studios, and commercial AV environments, the card handles the full range of HDMI 2.0 formats including deep color (8/10/12-bit) and wide chroma sampling (RGB, YCbCr 4:4:4/4:2:2/4:2:0). Install multiple output cards across the FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, and FLEX-MF24X60 chassis platforms to scale display capacity as installations grow.

 4K60 4:4:4 Full 18Gbps Bandwidth	 HDCP 2.2 Protected Content Ready	 12 HDMI Outputs Per Card	 HDR High Dynamic Range	 Modular Hot-Swappable Design
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KEY FEATURES

- 12× HDMI 2.0 Type A outputs per card with 18Gbps bandwidth and HDCP 2.2/1.x content protection
- Supports 4K 3840×2160 @60Hz 4:4:4 (8-bit) — full Ultra HD resolution on every output
- 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 chroma sampling
- Highest port density in class — replaces three to six competitor output cards with a single card
- Modular hot-swappable design — slides into any FLEX chassis without tools or system downtime
- Scalable: install multiple output cards per chassis to expand display capacity on demand
- Compatible with FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, and FLEX-MF24X60 matrix chassis

SPECIFICATIONS

HDMI Standard	HDMI 2.0
HDCP Compliance	HDCP 2.2, HDCP 1.x
Maximum Data Rate	18 Gbps
Video Resolution	Up to 3840×2160 @60Hz 4:4:4 (8-bit)
HDR Support	Supported
Chroma Sampling	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Bit Depth	8, 10, 12 bits per color
Output Connectors	12× HDMI Type A (19-pin female)
Hot-Swappable	Yes
Compatible Chassis	FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, FLEX-MF24X60

PACKAGE CONTENTS

1× FLEX-HDMI12OUT HDMI Output Card



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sales@kanexpro.com | www.kanexpro.com