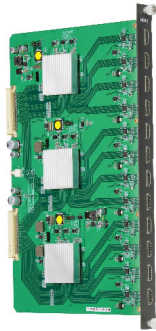


HDMI 2.0 Output Card for FLEX Modular Matrix

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

MPN: FLEX-HDMI12OUT



1 PRODUCT OVERVIEW

DESIGNED FOR

Hospitality, corporate campuses, education facilities, broadcast studios, security command centers, retail locations, and commercial AV environments requiring high-density HDMI output distribution from a centralized matrix switching system.

THE CHALLENGE

Large-display installations require multiple output cards to achieve adequate display capacity, consuming valuable chassis slots and increasing total system cost and rack footprint.

THE KANEXPRO ADVANTAGE

The FLEX-HDMI12OUT delivers 3 to 6 times the output density of competing HDMI cards in a single hot-swappable module. Drive 12, 24, 36, or 48 displays from one modular chassis with full 4K60 4:4:4 bandwidth, HDCP 2.2 protection, and HDR pass-through.

2 PRODUCT POSITIONING

The FLEX-HDMI12OUT is the highest-density HDMI 2.0 output card in its class, delivering 12 ports per card at full 18Gbps bandwidth with 4K60 4:4:4, HDCP 2.2, and HDR support — replacing three to six competing output cards with a single modular unit that scales seamlessly across FLEX matrix chassis.

3 APPLICATIONS

Corporate AV

Conference rooms, boardrooms, huddle spaces, and corporate campus displays.

Hospitality

Guest rooms, lobbies, restaurants, and event spaces in hotels and resorts.

Education

Lecture halls, classrooms, training labs, and campus-wide AV distribution.

Broadcast

Production studios, control rooms, confidence monitors, and preview walls.

Security

Command centers, surveillance distribution, and operational dashboards.

Retail

Digital signage, menu boards, promotional displays, and interactive kiosks.

4 KEY SPECIFICATIONS

Output Ports: 12× HDMI Type A (19-pin female)

HDMI Standard: HDMI 2.0 at 18Gbps

Video Resolution: Up to 3840×2160 @60Hz 4:4:4 (8-bit) with deep color (10/12-bit) support

HDCP & HDR: HDCP 2.2/1.x with full HDR pass-through

Chroma Sampling: RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0

Scalability: Up to 4 output cards per chassis (48 total HDMI outputs)

Hot-Swappable: Yes — field-upgradeable without system downtime

Compatible Chassis: FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, FLEX-MF24X60

5 WHY CHOOSE FLEX-HDMI12OUT

- **Maximum Output Density:** 12 ports per card reduces chassis footprint and total rack space vs. standard 2, 4, or 6-port competitor cards.
- **Full 4K60 Bandwidth:** Every output supports 18Gbps at 4K 3840×2160 @60Hz 4:4:4 with HDR and HDCP 2.2 for premium content delivery.
- **Modular Scalability:** Start with one card (12 outputs) and add up to 3 more as display capacity grows — all within a single chassis.
- **Hot-Swappable Design:** Replace or upgrade output cards without removing the matrix from service or disrupting live video routing.
- **Enterprise-Grade Compatibility:** Certified for FLEX modular matrix ecosystem; integrates seamlessly with FLEX-HDMI8IN input cards and other FLEX modules.