

FLEX 16pro

Multi-screen Splicing Processor (All-In-One)

FLEX 16pro is a 1U rack-mountable, fully modular 4K video wall processor featuring a new hardware architecture with the smallest footprint among traditional 16-screen solutions. Each unit supports up to 4 optional modules and each module has three options: 2-in/6-out, 4-in/4-out, or 6-in/2-out. These can be flexibly combined to cover a wide range of scenarios from 8-in/24-out to 24-in/8-out. Up to 4 windows per screen, CUT switching, web-based management and openAPI.

Key Features

- Modular I/O configuration — optional 4×4, 2×6, or 6×2 input/output combo modules
- Up to 4 I/O combo modules per chassis
- 4K60 support — 3840×2160@60Hz input and output
- Advanced display functions — video wall splicing, roaming, cross-screen, scaling, PIP, POP, and overlay for any video signal
- Multi-window capability — up to 4 windows per screen; full wall layer stacking up to 4×N layers (N = number of screens)
- Signal preview and wall monitoring — real-time input preview and output feedback
- Web-based control — switch preset scenes from PC, phone, or tablet via web browser
- 1000+ preset scenes storage capacity
- Scene auto-rotation — customizable rotation intervals
- Seamless scene switching — < 30ms delay, no stutter, no blue screen, no flicker
- Ultra HD subtitles and background image support
- LSupports source and display device validity detection with status LED indication.
- Frame-synchronized outputs — 0ns port-to-port timing difference (excluding display panel variance)
- Multi-user management
- Compatible with third-party central control systems including Crestron, AMX, QSC, Companion, etc.

Packing list

- 1 × FLEX 16pro
- 1×network cable
- 1×Power Adaptor (12V DC 12A)

Specification

I/O Module	Optional			4 × 4	2 × 6	6 × 2
Interface	Input	IN		4 × HDMI-A	2 × HDMI-A	6 × HDMI-A
	Output	OUT		4 × HDMI-A	6 × HDMI-A	2 × HDMI-A
	Control	LAN	TCP/IP(LAN)	1 × RJ45		
	Power		Power	1 × DC Jack		
Performance	Resolution		Input	Up to RGB 8bit 3840×2160@60 | YCbCr422 8bit 10bit 12bit 3840×2160@60		
			Output	Up to 3840x2160@60		
Power				DC 12V/12A		
Working Environment	Operating Temperatur			0°C ~ 40°C		
	Relative Humidity			10 - 90% RH (non-condensing)		
Physical	Net Weight			TBD		
	Net Dimension			437mm × 236mm × 44mm		

Applications



Application Example
FLEX 16pro×1
2 × 6 I/O Module× 1
6× 2 I/O Module× 1
4 × 4 I/O Module× 2

Order Codes

Product Code	Item
720-0016-01-0	FLEX 16pro
792-0404-01-0	4 × 4 I/O Module
792-0206-01-0	2 × 6 I/O Module
792-0602-01-0	6 × 2 I/O Module

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