



EZwall-UHD16Pro

4-Input / 16-Output Seamless Matrix Switcher,
Video Wall Controller & 4-Window Multiviewer

The VM4K416 is a high-performance HDMI 2.0 video processor built for AV integrators who need one box that does it all. Use it as a seamless-switching matrix, a video wall splicing processor, or a 4-window multiviewer — all in a single 1U-friendly chassis with 4 inputs and 16 outputs.

 **Designed in the USA**

FEATURES AND CAPABILITIES FOR REMOTE SERVER MANAGEMENT



Seamless switching between any of 4 input sources — no black flash, no drop



Flexible splicing walls up to 4×4 / 16 screens, or free multiview up to 4 windows



4 Inputs & 16 Outputs on HDMI 2.0, up to 3840×2160 / 4096×2160 @60Hz



Auto or User-Defined output resolution — perfect for point-to-point LED wall mapping



General sync and Sync-Delay modes on every output for perfect video wall alignment



Built-in audio de-embed / switcher with analog LR and Toslink optical output



180° image rotation for flexible mounting orientations



Control your way: front-panel buttons, IR remote, RS-232, TCP/IP, or free WebGUI / PC Tool software

APPLICATIONS

- Control rooms & command centers
- Broadcast & production studios
- Retail & experiential LED video walls
- Corporate boardrooms & lecture halls

FRONT AND BACK



Front Panel — LCM display, input/output select, scene save/recall, EDID & resolution control

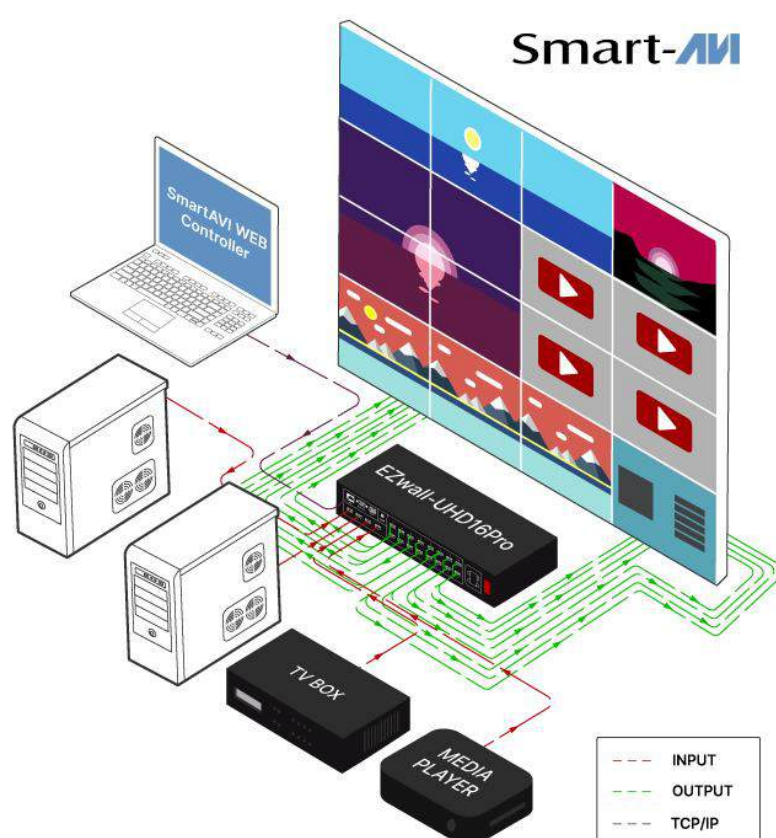


Rear Panel — 4 HDMI in / 16 HDMI out, LAN, RS-232 (CTL & Phoenix), Toslink audio out

APPLICATION SCENARIOS

One platform, five ways to deploy:

- Seamless matrix switcher — 4 in, 16 out, with optional multiview on any output
- Non-multiview video wall — flexible layouts such as 3×3, 3×4, 3×5, or 4×4
- Multiple video walls plus standalone displays — up to 16 screens total
- Multiview video wall — up to 12 screens (see limitations)
- Multiview video wall combined with standalone outputs



Example: multiple video walls and standalone displays driven from one EZwall-UHD16Pro

TECHNICAL SPECIFICATIONS

Technical		Connection	
HDMI Compliance	HDMI 2.0b	Input ports	4 × HDMI INPUT [Type A, 19-pin female]
HDCP Compliance	HDCP 2.2	Output ports	16 × HDMI OUTPUT [Type A, 19-pin female]
Video Bandwidth	18Gbps	Mechanical	
Video Resolution	Input: up to 4K@60Hz 4:4:4 Output: up to 4096x2160x60Hz	Housing	Metal Enclosure
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0	Weight	5kg
Color Depth	8/10/12 bit	Dimensions	L430 x W220 x H44 mm
IR Level	5Vp-p	Power Supply	110-240VAC
IR Frequency	38KHz	Power Consumption	75W Max
Audio Formats	HDMI IN/OUT: LPCM 2.0/5.1, Dolby Digital/Plus/EX, DTS, DTS-EX, DTS-96/24 L/R OUT: PCM 2.0 SPDIF(OPTICAL): Dolby Digital/plus, DTS 5.1, PCM 2.0	Operating Temp.	32 - 104°F / 0 - 40°C
Audio Latency	No Latency	Operating Humidity	10 to 70% RH (non-condensing)
Video Latency	No Latency	ESD	Air: ±8KV, Contact: ±4KV
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)	Control	
		Front panel	Buttons (SELECT Video IN/OUT)
		RS232	Baud rate: 9600, data bit: 8, Stop bit: 1, no parity
		Web	GUI via IP Address (Front Panel or SAVIFinder)

Ordering Information		
Part №	EZW-UHD16PRO-S	Ultra HD Video 4x16 Wall Processor, Includes: [EZW-UHD16PRO and CCPWR06]

For full setup instructions, PC Tool guidance, and RS-232 command reference, see the complete EZwall-UHD16Pro User Manual.
Specifications subject to change without notice.



Designed and Manufactured in the USA

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