



LightSpeed MV-4K-4X1 4K60 HDMI Multiview Video Processor

MV-4K-4X1 is a multi-view video processor that supports 4K@60Hz input and output. Up to 4 channels of 4K/UHD video signals can be simultaneously displayed on one 4K/UHD display. MV-4K-4X1 supports seamless switching between 4 input signals, and supports multiple screen layouts such as original mode, Dual-view mode, H mode, PIP mode and Quad mode to meet different image display needs. Support multiple control methods such as button, IR remote and RS232.



Product Snapshot

TRUE 4K@60HZ/UHD VIDEO

Both HDMI input and HDMI output compliant HDMI 2.0b specification up to 4K@60Hz 4:4:4 8bit.

RICH LAYOUT MODE

Support six screen layouts, such as Original, Dual-view, Master mode, H mode, PIP mode and Quad mode.

SEAMLESS SWITCHING

Supports seamless switching under the same layout.

CASCADE FUNCTION

More inputs are displayed on the same display.

IMAGE STRETCHING

Optional support fixed aspect ratio and image stretching mode.

AUDIO DE-EMBEDDING

Supports audio de-embedding from the HDMI output.

MULTIPLE CONTROL

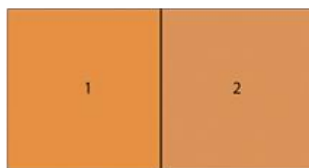
Supports multiple control methods, including button, IR and RS232 control.

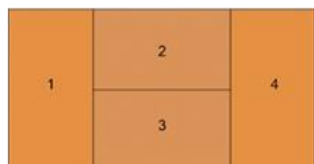
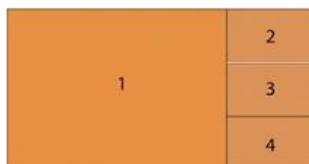
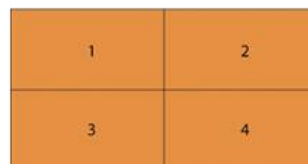
Application:

Personal entertainment: Multiple games on the same screen, live broadcast, and sports.

Light commercial: Sport bar, bar, convenience store, car advertising display, etc

Layout

ORIGINAL

DUAL-VIEW

PIP

H

MASTER

QUAD

Technical Specifications	
Video Input	4x HDMI in
Input Video Signal	HDMI 2.0b up to 4K@60Hz 4:4:4 8bit and HDCP 2.2
Video Output	1x HDMI out
Output Video Signal	HDMI 2.0b up to 4K@60Hz 4:4:4 8bit and HDCP 2.2
Input/Output Resolutions Supported	VESA: 800 x 600 ⁸ , 1024 x 768 ⁸ , 1280 x 768 ⁸ , 1280 x 800 ⁸ , 1280 x 960 ⁸ , 1280 x 1024 ⁸ , 1360 x 768 ⁸ , 1366 x 768 ⁸ , 1440 x 900 ⁸ , 1600 x 900 ⁸ , 1600 x 1200 ⁸ , 1680 x 1050 ⁸ , 1920 x 1200 ⁸ , 2048 x 1152 ⁸ , 3840 x 2160 ^{2,3,5,6,8} , 4096 x 2160 ^{2,3,5,6,8} SMPTE: 1280 x 720P ^{6,7,8} , 1920 x 1080P ^{6,7,8,9} 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz, 9 = at 120 Hz;
Audio Format	HDMI: Supports all audio format in HDMI 2.0 spec. Audio Out: Stereo only.
Maximum Pixel Clock	600 MHz
Maximum Data Rate	18 Gbps
Control Method	Button, IR and RS232 and IP
General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
Power Supply	12V/2A
Power Consumption (Max)	8W
Device Dimension (W x H x D)	9 in x 1in x 5.5 in.
Product Weight	3 lbs.