



## 4K/60 2X2 Video Wall Processor

The LightSpeed® VW-4K-2X features a compact enclosure, instant switching, and *free scaling* up to 4K@60Hz SDR and HDR. It supports two video working modes including matrix switcher mode and video wall mode to meet different application requirements. In matrix switcher mode, it allows four HDMI inputs to be switched to four HDMI outputs. In video wall mode, the matrix supports 2x2 video wall layout, which can select any input for video wall outputs, configure bezel correction and set image rotation. It also provides both analog and digital S/PDIF audio de-embedding for outputs 1 & 2. The product can be easily managed and controlled, for example, through front panel buttons, IR, RS232, web UI and TCP protocols. Plus, keeping your device up to date is simple with firmware upgrades through our web UI and Micro USB port. The VW-4K-2x2 is easy to set up and operate with a friendly and flexible HDMI management solution!

### Product Snapshot

Dive into easy EDID management, including handy presets, the ability to copy EDID settings, and the option to create *custom EDID profiles*.

#### Advanced video processing features that let you:

- Scale freely from 480p all the way up to 4K@60Hz.
- Seamlessly convert between SDR and HDR formats.
- Fine-tune color space, chroma, and color depth for the perfect picture.
- Switch instantly between sources, avoiding any annoying black screens during transitions.
- Choose from powerful scaler processing modes, including automatic scaling, manual adjustments, or straight video bypass for the purists.

#### Two versatile video modes for your convenience:

- A matrix switcher mode to connect any input to any output effortlessly.
- A video wall mode with a 2x2 layout, allowing for detailed customization of output distribution, bezel correction, input choices, and even image rotation by 180° for that perfect video wall setup—all manageable via API commands and a user-friendly web interface.

Technical	
INPUT/OUTPUT PORT	4 x HDMI IN, 4 x HDMI OUT, 1 x RS-232, 1 x LAN (RJ45), 2 x S/PDIF OUT, 2 x Analog AUDIO OUT, 1 x FW (Micro USB), 1 x DC 12V
INPUT/OUTPUT SIGNAL TYPE	HDMI with 4K@60Hz 4:4:4
INPUT/OUTPUT RESOLUTION SUPPORTED	<b>VESA:</b> 800x6008, 1024x7688, 1280x7688, 1280x8008, 1280x9608, 1280x10248,1360x7688, 1366x7688, 1440x9008, 1600x9008, 1600x12008, 1680x10508,1920x12008 <b>SMPTE:</b> 720x576P6, 1280x720P6,7,8, 1920x1080P2,5,6,7,8, 3840x21602,3,5,6,8, 4096x21602,3,5,6,8 2 = at 24 Hz, 3 = at 25 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz
AUDIO FORMAT	<b>HDMI IN/OUT:</b> Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X <b>AUDIO OUT:</b> Balance stereo audio <b>S/PDIF OUT:</b> PCM 2.0/5.1, Dolby Digital, and DTS up to 5.1 Channel
MAXIMUM DATA RATE	18Gbps
CONTROL METHOD	Front Panel Buttons, RS232, IR, LAN (Telnet &Web UI)

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
ESD PROTECTION	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
POWER SUPPLY	DC 12V
POWER CONSUMPTION (MAX)	16W
DEVICE DIMENSION (W X H X D)	215mm x 42mm x 140.2mm/8.46" x 1.65" x 5.52"
PRODUCT WEIGHT	1.2kg/2.64lbs

Transmission Distance		
Cable Type	Range	Supported Video
HDMI	Input: 15m/50ft Output: 10m/33ft	1080P@60Hz 24bpp
	Input/Output: 10m/33ft	4K@30Hz 4:4:4 24bpp 4K@60Hz 4:2:0 24bpp
	Input/Output: 3m/10ft	4K@60Hz 4:4:4 24bpp

