VW-16
4X4 Video Wall Driver

Kramer's VW-16 HDMI 2.0 Multiview Video Wall Processor is an advanced 4-input and 16-output video processor, offering a videowall driver with multiviewer features, scaling, customized screen layouts, and fast, clean video switching between inputs.

The unit also features audio switching and incorporates an analog audio output in addition to the embedded HDMI audio.

It offers a user-friendly web UI, RS-232, RS-485, RS-422 control options, and includes bezel correction, picture adjustment options, and HDCP and EDID configuration

FEATURES

- Fast switching between input channels and combined multiple source images on video wall
- Suitable for any wall configuration with up to 16 displays – 4X4, 2x8, 8x2, 5x3, etc
- Handles HDMI 2.0 signals with Deep Color and HDCP 2.2 sources
- Input and output resolution up to 4K @60Hz, 4:4:4 color sampling
- Scales up and down to any resolution – up to 4K @60Hz, 4:4:4 color sampling
- PiP, PoP, quad-view, and multiple customized screen layout configurations on the videowall
- Rotation (90°and 270°) in full screen layout
- Bezel correction
- Stereo audio output
- Control by web UI, RS232, RS485, RS422 and telnet
- Firmware upgrade via USB port
- Dual built-in power supply

TECHNICAL SPECIFICATIONS

Inputs	4 x HDMI 2.0
Outputs	16 x HDMI 2.0
	Audio Output: Stereo unbalanced on a 3−pin terminal block
Image Processing	Input Resolutions: 4096 x 2160p (60Hz, 50Hz, 24Hz), 3840 x 2160p (60Hz, 50Hz, 30Hz, 25Hz, 24Hz), 2560 x 1080p (60Hz), 1920 x 1080p (60Hz, 50Hz, 30Hz, 25Hz, 24Hz), 1920 x 1080i (60Hz, 50Hz), 1280 x 720p (60Hz), 720 x 480p (60Hz, 50Hz), 720 x 576p (50Hz), 640 x 480p (60Hz, 50Hz)
	Input and Output Chroma Sampling: 4:4:4
	Output Color Depth: 24 bpp
	Video Bandwidth: Up to 18 Gbps
	Output Resolutions: 4096 x 2160p (60Hz ,50Hz), 3840 x 2160p (60Hz, 50Hz, 30Hz), 2048 x 2048p (57Hz), 1920 x 1200p (60Hz), 1920 x 1080p (60Hz, 50Hz, 30Hz), 1600 x 1200p (60Hz), 1280 x 720p (60Hz, 30Hz)
	HDMI Compliance: HDMI 1.4 And HDMI 2.0
	HDCP Compliance: HDCP 1.4 and HDCP 2.2
Control	RS-232 / Telnet: 1 x D9 female connector
	RS-485 / RS-422: 5−pole terminal block
	Ethernet Port: 1 x RJ45
	Web Interface: Embedded Web UI
Power	Dual (Redundant) Power Supplies: Built−in power modules 100−240 VAC / 50/60 Hz
	Power Consumption: 300W
Environmental Conditions	Operating Temperature: 0°C ~ 40°C (32° to 104°F)
	Operating Humidity: 0% ~ 80% RH
	Storage Temperature: −20°C ~ 60°C(−4 to +140°F)
Ambient Noise:	For rack max = 46db, for desktop max = 40db
Heat Dissipation:	BTU/hr
Regulatory Compliance (Standards Compliance)	Standards: CE, FCC
Enclosure	Size: 19”
	Type: Aluminum
	Cooling: Convection ventilation (8 ceiling mounted fans)
General	Product Dimensions: 44cm x 38cm x 26.5cm (17.3" x 15" x 10.4") W,D,H
	Shipping Dimensions: 49cm x 35.5cm x 49cm (19.3" x 14" x 19.3") W,D,H
	Product Weight: 16.3kg (36lbs) approx

Shipping Weight: 17.2kg (38lbs) approx

Product Dimensions	44.00cm x 26.40cm x 42.10cm (17.32" x 10.39" x 16.57") W, D, H
Product Weight	16.3kg (35.9lbs) approx
Shipping Dimensions	49.00cm x 35.50cm x 49.00cm (19.29" x 13.98" x 19.29") W, D, H
Shipping Weight	18.8kg (41.4lbs) approx

HDMI