



## VW-16

4X4 Video Wall Driver

| HDMI | HDBaseT



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

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|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inputs                                       | 4 x HDMI 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Outputs                                      | 16 x HDMI 2.0<br><br>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)<br><br>Input and Output Chroma Sampling: 4:4:4<br><br>Output Color Depth: 24 bpp<br><br>Video Bandwidth: Up to 18 Gbps<br><br>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)<br><br>HDMI Compliance: HDMI 1.4 And HDMI 2.0<br><br>HDCP Compliance: HDCP 1.4 and HDCP 2.2 |
| Control                                      | RS-232 / Telnet: 1 x D9 female connector<br><br>RS-485 / RS-422: 5-pole terminal block<br><br>Ethernet Port: 1 x RJ45<br><br>Web Interface: Embedded Web UI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power                                        | Dual (Redundant) Power Supplies: Built-in power modules 100–240 VAC / 50/60 Hz<br><br>Power Consumption: 300W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Environmental Conditions                     | Operating Temperature: 0°C ~ 40°C (32° to 104°F)<br><br>Operating Humidity: 0% ~ 80% RH<br><br>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"<br><br>Type: Aluminum<br><br>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<br><br>Shipping Dimensions: 49cm x 35.5cm x 49cm (19.3" x 14" x 19.3") W,D,H<br><br>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 510.00cm x 380.00cm x 515.00cm (200.79" x 149.61" x 202.76" ) W, D, H

Shipping Weight 18.8kg (41.4lbs) approx

