



# kramer

## VSM-4x4X

4x4 Matrix Switcher, Videowall & Multiviewer

| HDMI | Ethernet - RJ-45



Kramer's VSM 4x4X is a 4X4 seamless matrix switcher that can also be used as a video wall driver (2X2 or 1X4), a quad-viewer, or a 4 picture multi-viewer. The unit allows instantaneous switching between inputs (that is, with a clean, frame-to-frame video cut). The VSM 4x4X supports HDMI 2.0 and HDCP 2.2, with resolutions up to 4K60 4:4:4, per-port HDCP and EDID settings, passing of 4 channels of embedded audio, and analog stereo de-embedded audio for each of the 4 outputs

## FEATURES

**PixPerfect™ Scaling Technology** - Kramer's precision pixel mapping and high quality scaling technology

**Matrix Switching Modes** - Truly seamless switching mode (zero-time video cuts), or fade-through-black mode (enabling independent output resolutions)

**Multiple Aspect Ratio Selections** - Full, 4:3, 16:9 and best fit

**4 Preset Memory Locations** - For each operation mode for quick access to common IN OUT configurations

**Non-Volatile Memory** - Saves final settings

**Built-in Noise Reduction and Picture Enhancement Features**

**HDMI Support** - 4K@60Hz, Deep Color, x.v.Color™, 7.1 PCM, Dolby TrueHD, DTS-HD, as specified in VHDMI 2.0

**Selectable Operation Modes** - 4x4 matrix switcher, video wall (2x2 or 1x4 configuration), multi-view display Split, Side-by-Side, PIP, POP, Stacked or Quad display

**Bezel Correction Options** - In video wall mode

**Constant Output Sync** - For all modes of operation

**Built-in Video ProcAmp** - Color, hue, sharpness, noise, contrast and brightness set individually for each input

**Firmware Upgrade** - Ethernet based, via a user-friendly software upgrade tool

**Advanced EDID management per Input**

**Video inputs and Outputs** - 4 HDMI Inputs and 4 Scaled HDMI Outputs

**Audio Outputs** - 4 balanced audio outputs with independent volume settings per output, embedded audio on the HDMI inputs and outputs



# kramer

## TECHNICAL SPECIFICATIONS

---

Inputs	4 HDMI: On female HDMI connectors
Outputs	4 HDMI: On female HDMI connectors
Ports	4 Balanced Stereo Line Level On 5-pin terminal block connectors 1 RS-232 On a 3-pin terminal block 1 Ethernet On an RJ-45 female connector
Video	Max Bandwidth 18Gbps (6Gbps per graphic channel) Max Resolution 4K @60Hz (4:4:4) 24bpp resolution Compliance HDMI 2.0 and HDCP 1.4 Latency Up to 20ms
Controls	Front Panel Output and input selector buttons, system set up buttons (matrix, video wall and multi-view), store and recall buttons, display identify button, reset button and panel lock button
Analog Audio	Max Level 4.1Vrms Impedance 500Ω Bandwidth 20Hz - 20kHz Crosstalk -114dBV THD + N 0.005% @1kHz at nominal level S/N Ratio -89dB, 20Hz - 20kHz Coupling DC
Power	Consumption 100-240V AC, 98VA max Heat Dissipation 55W (188BTU/hr)
Environmental Conditions	Operating Temperature 0° to +40°C (32° to 104°F) Storage Temperature -40° to +70°C (-40° to 158°F) Humidity 10% to 90%, RHL non-condensing
Regulatory Compliance (Standards Compliance)	Safety CE, FCC  Environmental RoHs, WEEE
Enclosure	Size 19" 1U Type Aluminum Cooling Fan Ventilation
General	Net Dimensions (W, D, H) 43.6cm x 18.3 cm x 4.4cm (17.2" x 7.2" x 1.7") Shipping Dimensions (W, D, H) 55cm x 27.6cm x 10.7cm (21.6" x 10.9" x 4.2")

Net Weight 1.8 kg (4lbs)

Shipping Weight 2.9 kg (6.4lbs) approx

Accessories Included Power adapter cord

Product Dimensions 19" x 7.20 x 1U (43.6cm x 18.30cm x 4.36cm) W, D, H

Product Weight 1.9kg (4.1lbs) approx

Shipping Dimensions 55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21" ) W, D, H

Shipping Weight 2.9kg (6.4lbs) approx

