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

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