



# KRAMER

## VSM-4x4A

4x4 Seamless AV Matrix  
Switcher/MultiScaler

| HDMI | Ethernet - RJ-45 | HDCP Compliant



VSM4x4A is a 4x4 seamless matrix switcher that can also be used as a video wall driver (2x2 or 1x4) or dual and quad multiviewers. The unit enables switching between inputs with a clean video cut (frame to frame switching with no glitches). It supports HDMI resolutions with deep color, up to eight channels of audio and includes per port HDCP and EDID settings

## FEATURES

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

**HDTV Compatible**

**HDCP Compliant**

**4 HDMI Inputs & 4 Scaled HDMI Outputs**

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

**Selectable Operation Modes** - 4x4 matrix switcher, video wall (2x2 or 1x4 configuration), dual display (Split/PIP/POP) or quad display

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

**Matrix Switching Modes** - Seamless switching mode (zerotime video cuts), or fade through black mode (enabling independent output resolutions)

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

**HDMI Support** - Deep Color, Dolby Digital Plus, DTS, DTS HD®, LPCM 2CH/6CH/8CH, AC3

**Per Port HDCP and EDID Settings**

**Input Resolution Range** - VGA to WUXGA and 480i to 1080p

**Output Resolution Range** - 480p to 1080p

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

**Built-in ProcAmp** - Color, hue, sharpness, noise, contrast and brightness

**Front Panel Control** - Operation mode, TAKE button and menu buttons

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

**Front Panel Lockout**

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

**Additional Internal Memory** - Supports larger firmware code

**Firmware Upgrade** - Via Ethernet or the program mini USB connector

**Varied Control Options** - Front panel buttons, RS232 serial commands transmitted by a touch screen system, PC, or other serial controller; infrared remote control transmitter with OSD (onscreen display), Ethernet with built-in web pages



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## TECHNICAL SPECIFICATIONS

INPUTS:	4 HDMI connectors (HDMI, HDCP version 1.1)
OUTPUTS:	4 HDMI connectors (HDMI, HDCP version 1.1), 4 balanced stereo audio on terminal block connectors, 4 unbalanced audio on 3.5mm mini jacks
PORTS:	1 RS232 on 9pin connector, 1 Ethernet on RJ45 connector, 1 USB on TypeA connector
OUTPUT RESOLUTIONS:	NATIVE, 480p, 576p, 720p50, 720p59, 720p60, 1080p24, 1080p50, 1080p60, 1024x768, 1280x800, 1280x1024, 1366x768, 1440x900, 1600x900, 1680x1050 or 1920x1200
VIDEO LATENCY:	Progressive input: 30ms (typical)
CONTROLS:	Front panel buttons, IR with customized remote control, RS232, Ethernet with builtin Web pages, USB port for programming
POWER SOURCE:	100240V AC, 27VA max
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 noncondensing
INCLUDED ACCESSORIES:	Power cord, rack ears, IR remote control

