



KRAMER

VSM-4x4A

4x4 Seamless AV Matrix Switcher/Multi-Scaler



VSM-4x4A is a 4x4 seamless matrix switcher that can also be used as a video wall driver (2x2 or 1x4) or dual and quad multi-viewers. 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 high-quality 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 (zero-time 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, RS-232 serial commands transmitted by a touch screen system, PC, or other serial controller; infrared remote control transmitter with OSD (on-screen display), Ethernet with built-in web pages.

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 RS-232 on 9-pin connector, 1 Ethernet on RJ-45 connector, 1 USB on Type-A 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, RS-232, Ethernet with built-in Web pages, USB port for programming.
POWER SOURCE:	100-240V 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 non-condensing.
INCLUDED ACCESSORIES:	Power cord, rack ears, IR remote control.
PRODUCT DIMENSIONS:	19" x 7.20 x 1U (43.6cm x 18.30cm 4.36cm) W, D, H
PRODUCT WEIGHT:	1.8kg (4.0lbs) approx.
SHIPPING DIMENSIONS:	52.50cm x 33.00cm x 10.70cm (20.67" x 12.99" x 4.21") W, D, H
SHIPPING WEIGHT:	2.7kg (6.0lbs) approx.

