



## VS-5x5

### 5x5 Composite Video & Balanced Stereo Audio Matrix Switcher

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The **VS-5x5** is a high-performance matrix switcher for composite video and balanced stereo audio signals. Switching during the vertical interval ensures glitch-free switching with genlocked sources.

#### FEATURES

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- Bandwidth - 70MHz (-3dB) fully loaded.
- Control - Front panel, RS-232 (K-Router™ Windows®-based software is included), & RS-485, IR remote (included).
- Front Panel Control Lockout.
- Take Button - Executes multiple switches all at once.
- Memory Locations - Stores multiple switches as presets to be recalled and executed when needed.
- Audio Gain Level Controls - Input and output via RS-232.
- Audio Breakaway Switching.
- Vertical Interval Switching.
- Switching Synchronization - Synchronizes either to external reference or the incoming video.
- Looping Sync Input.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 1U.



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### TECHNICAL SPECIFICATIONS

INPUTS:	5 composite video, 1Vpp/75Ω on BNC connectors; 1 genlock with loop, 75Ω/Hi-Z on BNC connectors; 5 balanced stereo audio, +4dBu (nominal)/25kΩ on detachable terminal blocks.
OUTPUTS:	5 composite video, 1Vpp/75Ω on BNC connectors; 5 balanced stereo audio, +4dBu (nominal)/47Ω on detachable terminal blocks.
MAX. OUTPUT LEVEL:	Video: 2Vpp; Audio: +19dBu.
BANDWIDTH (-3dB):	Video: 70MHz, fully loaded; Audio: 29kHz.
DIFF. GAIN:	0.02%.
DIFF. PHASE:	0.44Deg.
K-FACTOR:	<0.05%.
S/N RATIO:	Video: 75.1dB; Audio: 74dB.
CROSSTALK (all hostile):	Video: -51.4dB @ 5MHz; Audio: 105dB @ 1kHz.
COUPLING:	Video: DC; Audio: DC at input, AC at output.
AUDIO THD + NOISE:	0.102%.
AUDIO 2nd HARMONIC:	0.053%.
CONTROLS:	Audio gain level control by K-Router software, -91dB to +26dB; front panel buttons, RS-232, RS-485, IR.
INDICATORS:	5-character front panel display.
POWER CONSUMPTION:	90-264V AC, 50/60Hz, 18VA.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.7kg (6lbs) approx.
INCLUDED ACCESSORIES:	Power cord, null-modem adapter, Windows®-based Kramer control software, infrared remote control transmitter.

