



# KRAMER

## 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

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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
PRODUCT DIMENSION:	19" x 7.20 x 1U (43.6cm x 18.30cm 4.36cm) W, D, H
PRODUCT WEIGHT:	2.9kg (6.3lbs) approx
SHIPPING DIMENSION:	55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21" ) W, D, H
SHIPPING WEIGHT:	3.8kg (8.4lbs) approx
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
INCLUDED ACCESSORIES:	Power cord, null-modem adapter, Windows®-based Kramer control software, infrared remote control transmitter

