



kramer

VS-44HC

4x4 Component Video & Digital Audio Matrix Switcher

| Ethernet - RJ-45



The VS-44HC is a high-performance matrix switcher for component video and S/PDIF audio signals. Designed primarily for home entertainment applications, it can route any or all inputs to any or all outputs simultaneously.

FEATURES

High Bandwidth - 200MHz (-3dB)

HDTV Compatible

TOSLINK® Audio Capability - Audio input 2 can accept either S/PDIF or TOSLINK® audio (selected via DIP-switches). If selected, both S/PDIF and TOSLINK® audio will be simultaneously available on audio output 2

Sampling Rates - Up to 192kHz

Programmable Audio Delay - Up to 999ms (depending on sample rate)

Audio Breakaway Switching

Memory Locations - Stores multiple switches as presets (salvos) to be recalled and executed as needed

Take Button - Executes multiple switches all at once

Flexible Control Options - Front panel, RS-485, RS-232 (K-Router™ Windows®-based software is included), Ethernet, IR remote (available upon request)

Front Panel Lockout

Worldwide Power Supply - 100-240V AC

Standard 19" Rack Mount Size - 1U



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TECHNICAL SPECIFICATIONS

VIDEO INPUTS: 4 sets of component video (Y, Pb/Cb, Pr/Cr) 1Vpp, 0.7Vpp, 0.7Vpp/75Ω on RCA connectors

VIDEO OUTPUTS: 4 sets of component video (Y, Pb/Cb, Pr/Cr) 1Vpp, 0.7Vpp, 0.7Vpp/75Ω on RCA connectors

VIDEO MAX. OUTPUT 2.3Vpp
LEVEL:

VIDEO BANDWIDTH 200MHz, fully loaded
(-3dB):

VIDEO DIFF. GAIN: 0.08%

VIDEO DIFF. PHASE: 0.77Deg

VIDEO K-FACTOR: <0.05%

VIDEO S/N RATIO: 73dB weighted

VIDEO CROSSTALK -53dB @5MHz
(all hostile):

VIDEO COUPLING: DC

AUDIO INPUTS: 4 S/PDIF digital audio, on RCA connectors; 1 TOSLINK® optical

AUDIO OUTPUTS: 4 S/PDIF digital audio, on RCA connectors; 1 TOSLINK® optical

S/PDIF SAMPLE RATE: Up to 192kHz

AUDIO RESOLUTION: Up to 24 bits

JITTER: <1.5ns (50Hz to 100kHz) without delay, <3.5ns (50Hz to 100kHz) with delay

MAXIMUM DELAY TIME FOR CHANNEL 2: 32kHz – 999ms; 44.1kHz – 720ms; 48kHz – 680ms; 96kHz – 340ms

DELAY RESOLUTION: 1ms

CONTROLS: Front panel buttons, Ethernet, RS-232, RS-485, IR remote control

INDICATORS: 2 4-character displays on the front panel

POWER CONSUMPTION: 100–240V AC, 50/60Hz; 16VA

INCLUDED ACCESSORIES: Power cord, null-modem adapter, Windows®-based Kramer control software, Windows®-based Ethernet Configuration Manager and Virtual Serial Port Manager, Infra-red remote control transmitter

Product Dimensions 19" x 7.20 x 1U (43.6cm x 18.30cm x 4.36cm) W, D, H

Product Weight 0.0kg (0.0lbs) 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 (6.5lbs) approx

