VS-42HC
4x2 Component Video & Digital Audio Matrix Switcher

The VS−42HC 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).
- **Flexible Control Options** - Front panel, RS−485, RS−232 (K−Router™ Windows®−based software is included), Ethernet, IR remote (included).
- **Front Panel Lockout.**
- **Worldwide Power Supply** - 100−240V AC.
- **Standard 19" Rack Mount Size** - 1U. Rack "ears" included.

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:	2 (VS−42HC)/4 (VS−44HC) sets of component video (Y, Pb/Cb, Pr/Cr), 1Vpp, 0.7Vpp, 0.7Vpp/75Ω on RCA connectors.
VIDEO MAX. OUTPUT LEVEL:	2.3Vpp.
VIDEO BANDWIDTH (-3DB):	200MHz, fully foaded.
VIDEO DIFF. GAIN:	0.08%.
VIDEO DIFF. PHASE:	0.77Deg.
VIDEO K-FACTOR:	<0.05%.
VIDEO S/N RATIO:	73dB weighted.
VIDEO CROSSTALK (ALL HOSTILE):	−53dB @5MHz.
VIDEO COUPLING:	DC.
AUDIO INPUTS:	4 S/PDIF digital audio, on RCA connectors; 1 TOSLINK® optical.
AUDIO OUTPUTS:	2 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.
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, infrared remote control transmitter.
PRODUCT DIMENSIONS:	19" x 7.20 x 1U (43.6cm x 18.30cm 4.36cm) W, D, H
PRODUCT WEIGHT:	1.8kg (3.9lbs) approx.
SHIPPING DIMENSIONS:	55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21") W, D, H
SHIPPING WEIGHT:	2.8kg (6.1lbs) approx.