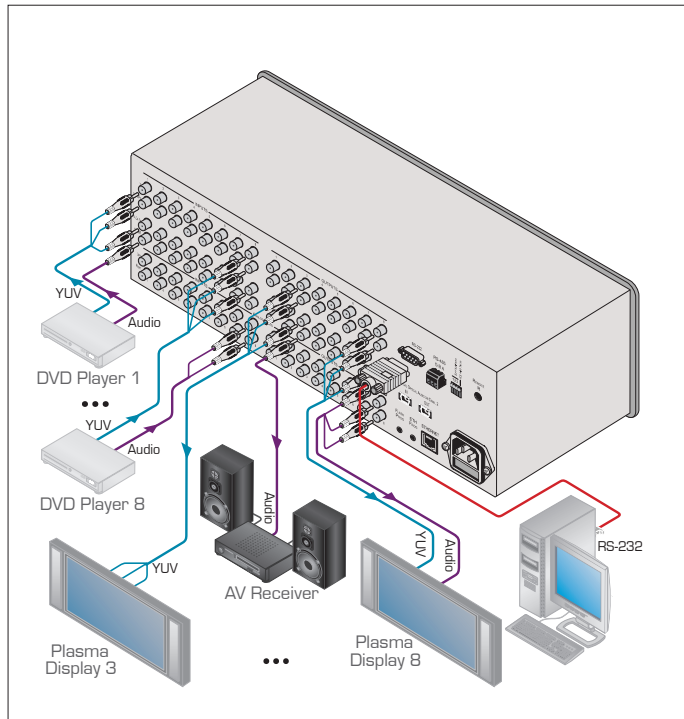


VS-88HC

8x8 Component Video, Analog & Digital Audio Matrix Switcher



The VS-88HC is a high-performance matrix switcher for component video, unbalanced stereo and S/PDIF audio signals. Designed primarily for home entertainment applications, the unit can route any or all inputs to any or all outputs simultaneously.



FEATURES

- High Bandwidth - 90MHz (-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 are simultaneously available on audio output 2.
- Sampling Rates - Up to 192kHz.
- Programmable Audio Delay - Up to 999ms (depending on sample rate).
- Audio Breakaway Switching.
- Analog Volume Control - Each input & output via recessed trim adjustments.
- 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 - RS-485, RS-232 (K-Router™ Windows®-based Kramer software is included), Ethernet, IR remote (included).
- Front Panel Lockout.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 3U. Rack "ears" included.

TECHNICAL SPECIFICATIONS

VIDEO INPUTS:	8 sets of component video (Y, Pb/Cb, Pr/Cr) 1Vpp, 0.7Vpp, 0.7Vpp/75Ω on RCA connectors.
VIDEO OUTPUTS:	8 sets of component video (Y, Pb/Cb, Pr/Cr) 1Vpp, 0.7Vpp, 0.7Vpp/75Ω on RCA connectors.
VIDEO MAX. OUTPUT LEVEL:	2.8Vpp.
VIDEO RESOLUTION:	Up to 1080p, fully loaded.
VIDEO DIFF. GAIN:	0.11%.
VIDEO DIFF. PHASE:	0.82Deg.
VIDEO K-FACTOR:	<0.05%.
VIDEO S/N RATIO:	75.5dB @5MHz.
VIDEO CROSSTALK (all hostile):	-49.5dB @5MHz.
VIDEO COUPLING:	DC.
AUDIO INPUTS:	8 S/PDIF digital audio, on RCA connectors; 1 TOSLINK® optical; 8 unbalanced stereo audio, 5Vpp/5kΩ on RCA connectors.
AUDIO OUTPUTS:	8 S/PDIF digital audio, on RCA connectors; 1 TOSLINK® optical; 8 unbalanced stereo audio, 5Vpp/100Ω on RCA connectors.
AUDIO MAX. OUTPUT LEVEL:	21Vpp.
AUDIO BANDWIDTH:	>100kHz.
AUDIO S/N RATIO:	83dB.
AUDIO CROSSTALK (all hostile):	-79dB @20MHz.
AUDIO COUPLING:	AC.
AUDIO THD + NOISE:	0.055% @1kHz.
AUDIO 2nd HARMONIC:	0.008% @1kHz.
AUDIO S/PDIF SAMPLE RATE:	Up to 192kHz.
AUDIO RESOLUTION:	Up to 24 bits.
AUDIO JITTER:	<1.5ns (50Hz to 100kHz) without delay, <3.5ns (50Hz to 100kHz) with delay.
AUDIO MAXIMUM DELAY TIME FOR CHANNEL 2:	32kHz - 999ms; 44.1kHz - 740ms; 48kHz - 680ms; 96kHz - 340ms. 1ms.
AUDIO DELAY RESOLUTION:	1ms.
CONTROLS:	Analog audio level: -50dB to 48dB; front panel buttons, Ethernet, RS-232, RS-485, IR remote control, DIP-switch address selector.
POWER SOURCE:	100-240V AC, 50/60Hz, 20VA.
DIMENSIONS:	19" x 7" x 3U W, D, H, rack mountable.
WEIGHT:	4.9kg (10.8lbs) approx.
ACCESSORIES:	Power cord, null-modem adapter, Windows®-based Kramer control software, Windows®-based Ethernet Configuration Manager and Virtual Serial Port, rack "ears".
OPTIONS:	External remote IR receiver cable.

