VS-44HC
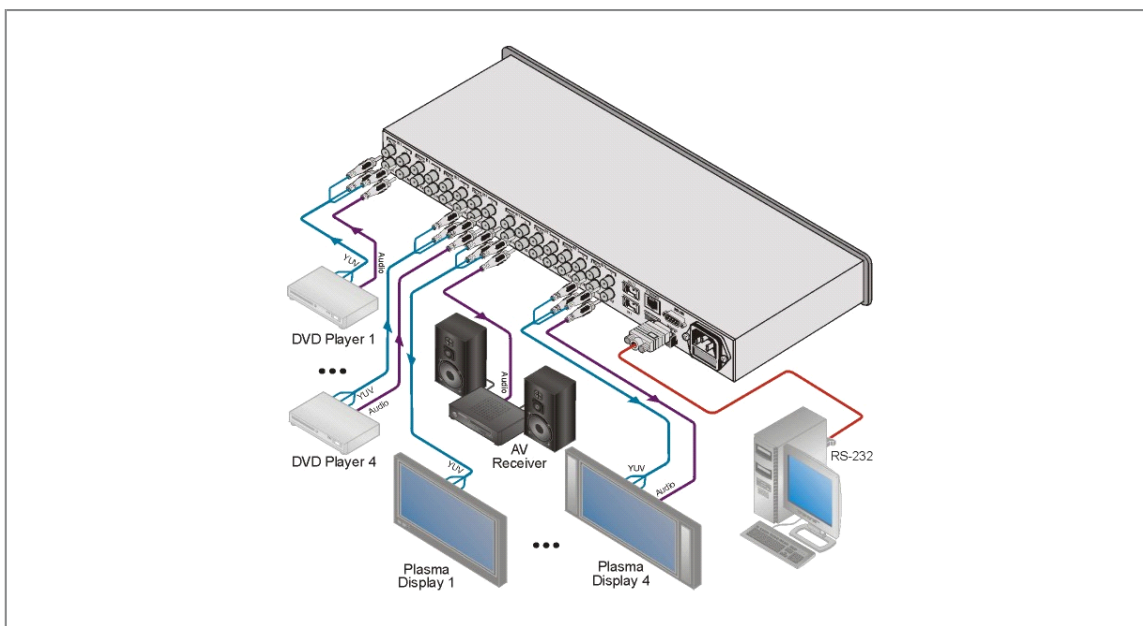
4x4 Component Video & Digital Audio Matrix Switcher

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.

VS-44HC

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 (included).
- **Front Panel Lockout.**
- **Worldwide Power Supply** - 100-240V AC.
- **Standard 19" Rack Mount Size** - 1U.

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 LEVEL:	2.3Vpp.
VIDEO BANDWIDTH (-3dB):	200MHz, fully loaded.
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:	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.
POWER SOURCE:	100-240V AC, 50/60Hz; 16VA.