



VS-646

6x6 Composite Video & Balanced Stereo Audio Matrix Switcher



The **VS-646** 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

- Bandwidth - 200MHz (-3dB) fully loaded.
- Control - Front panel, RS-232 (K-Router™ Windows®-based software is included), RS-485, IR remote (included).
- Take Button - Executes multiple switches all at once.
- Memory Locations - Stores multiple switches as presets for recall and execution when needed.
- Audio Breakaway Switching.
- Vertical Interval Switching.
- Switching Synchronization - Synchronizes either to external reference or the incoming video.
- Selectable Sync Signal Termination.
- Standard 19" Rack Mount Size - 2U.

TECHNICAL SPECIFICATIONS

INPUTS:	6 composite video, 1Vpp/75Ω on BNC connectors; 1 sync/video genlock 1Vpp/75Ω with sync select switch; 6 balanced audio stereo, +4dBu/33kΩ on detachable terminal blocks.
OUTPUTS:	6 composite video, 1Vpp/75Ω on BNC connectors; 6 audio stereo, +4dBu/50Ω (24Vpp max) on detachable terminal blocks.
VIDEO BANDWIDTH (-3dB):	200MHz.
MAX. AUDIO:	24Vpp (>20dBu).
AUDIO BANDWIDTH (-3dB):	100kHz.
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.03Deg.
K-FACTOR:	<0.05%.
VIDEO S/N:	74dB.
AUDIO S/N:	84dB unweighted (1Vpp).
VIDEO CROSSTALK:	-50dB @5MHz.
NON-LINEARITY:	0.1%.
AUDIO THD:	0.025% (1V, 1kHz).
2nd HARMONIC:	0.013%.
SWITCHING:	Vertical interval.
CONTROL:	Manual, RS-232, RS-485, IR remote (included).
POWER CONSUMPTION:	230V AC, 50/60Hz, (115V AC, USA) 11VA.
DIMENSIONS:	19" x 7" x 2U (W, D, H) rack mountable.
WEIGHT:	3.4kg (7.5lbs) approx.
INCLUDED ACCESSORIES:	Power cord, Windows®-based control software, null-modem adapter, IR remote control.

