VS-828

8x8 Video / Audio Matrix Switcher

STEREO	CV	INFRA RED	RS-232	RS-485	SYNC

The VS-626, VS-824, and VS-828 are high performance matrix switchers for composite video and unbalanced stereo audio signals. Switching during the vertical interval ensures glitch-free switching with genlocked sources.
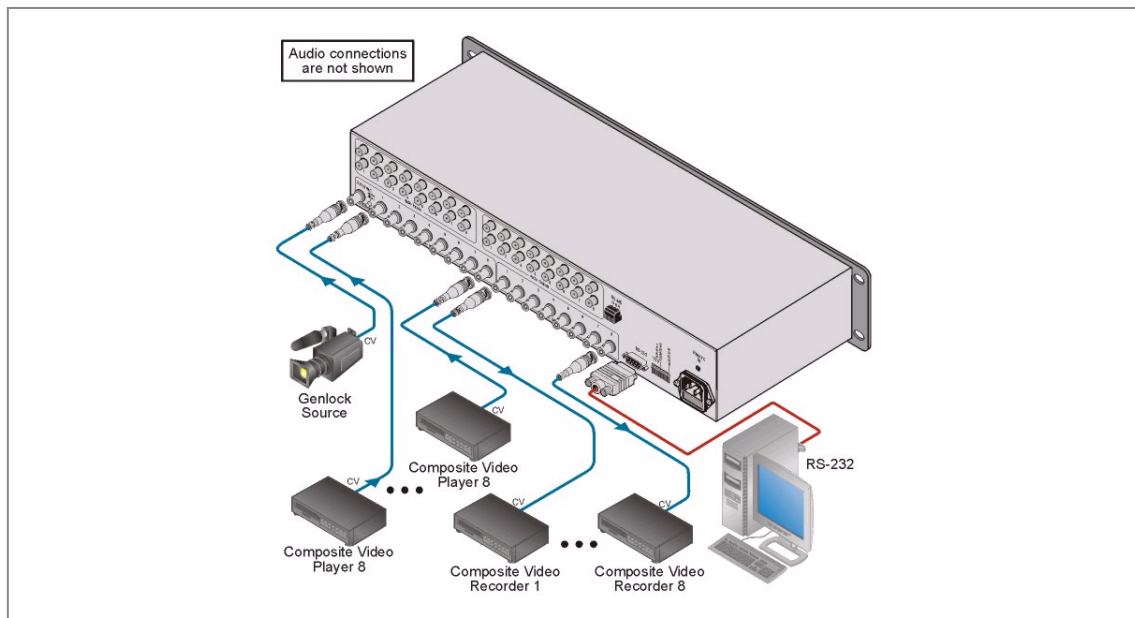
VS-828

FEATURES

- **Bandwidth** - 100MHz (- 3dB) fully loaded.
- **Control** - Front panel, RS-232 (K-Router™ Windows® - based Software is included), & RS-485.
- **Memory Locations** - Store multiple switches as presets to be recalled and executed when needed.
- Audio Breakaway Switching.
- Vertical Interval Switching.
- **Switching Synchronization** - Synchronize either to external reference or the incoming video.
- Selectable Sync Signal Termination.
- Standard 19" Rack Mount Size - 2U.

TECHNICAL SPECIFICATIONS

INPUTS:	8 composite video 1Vpp/75_ on BNC connectors 1 sync/video genlock with sync select switch 8 audio stereo up to +4dBm/62k_ on RCA connectors
OUTPUTS:	8 composite video 1Vpp/75_ on BNC connectors 8 audio stereo +4dBm/50_ on RCA connectors
MAX. VIDEO OUTPUT LEVEL:	2 Vpp
MAX. AUDIO OUTPUT LEVEL:	+/-20Vpp
VIDEO BANDWIDTH (-3dB):	100MHz
AUDIO BANDWIDTH (-3dB):	100kHz
DIFF. GAIN:	0.05%
DIFF. PHASE:	0.03 Deg.
K-FACTOR:	< 0.05%
VIDEO S/N RATIO:	74dB
AUDIO S/N RATIO:	88 dB unweighted (1Vpp)
VIDEO COUPLING:	DC
AUDIO COUPLING:	AC
VIDEO CROSSTALK (all hostile):	-50 dB @ 5MHz
AUDIO CROSSTALK (all hostile):	−71.4dB@1kHz
AUDIO THD + NOISE:	0.016% (1V, 1kHz)
AUDIO 2nd HARMONIC:	0.012%
CONTROLS:	Manual, RS-232 or RS-485
POWER SOURCE:	230 VAC, 50/60 Hz (115 VAC, USA)
DIMENSIONS:	19 inch (W), 7 inch (D), 2U (H) rack mountable
WEIGHT:	3.4 kg. (7.5 lbs.) approx
ACCESSORIES:	Power cord, Null modem adapter, Windows®-based control software