KRAMER ELECTRONICS, Ltd.
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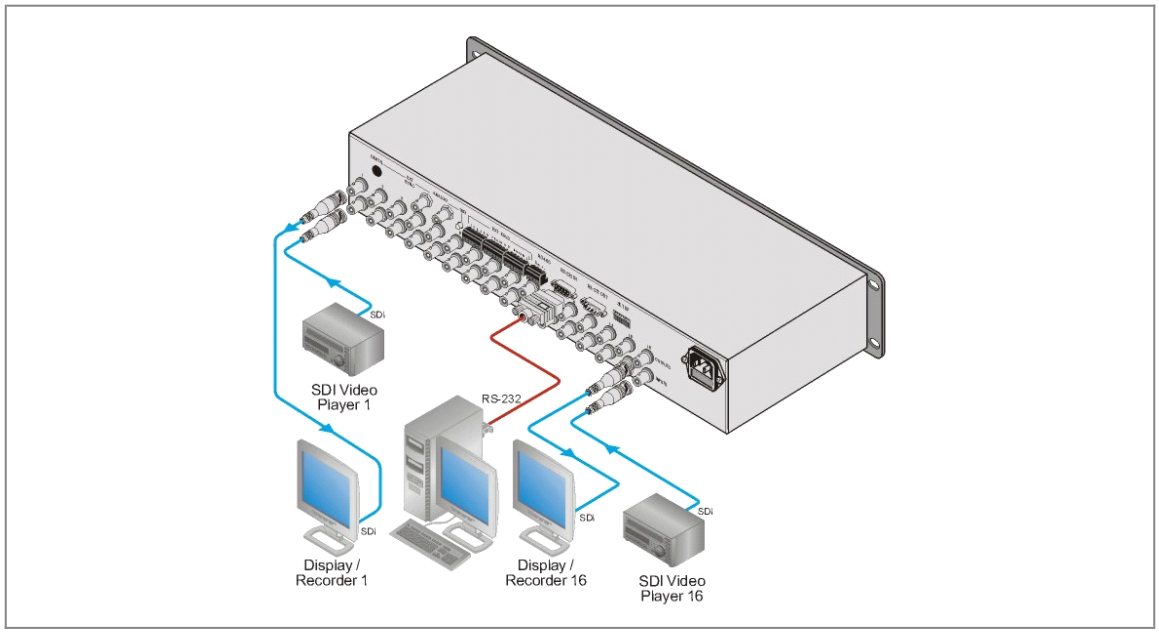
VS-1616SDI

16x16 SDI Video Matrix Switcher

The VS-1616SDI is a high-performance matrix switcher for SDI (SMPTE 259M) video signals. Switching is implemented during the vertical interval period according to the SMPTE RP-168 standard, when using synchronized SDI sources.



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FEATURES

- Max. Data Rate - Up to 270Mbps.
- Reclocking & Equalization - Automatic.
- Multi-Standard - 143Mbps (4fsc NTSC), 177Mbps (4fsc PAL), 270Mbps (4:2:2 component), 360Mbps (4:2:2 widescreen).
- Control - Front panel, RS-232 (K-Router™ Windows®-based Kramer software is included), RS-485, contact closure, & IR remote (included).
- Resolution - 8 & 10-bit (automatic).
- Take Button - Executes multiple switches all at once.
- Memory Locations - Stores multiple switches as presets to be recalled and executed when needed.
- Vertical Interval Switching.
- Switching Synchronization - Synchronizes either to external reference or the incoming video.
- Looping Analog Sync Input.
- Selectable Sync Signal Termination.
- Standard 19” Rack Mount Size - 2U.

TECHNICAL SPECIFICATIONS

INPUTS:	16 SMPTE 259M serial video, 75Ω on BNC connectors.
OUTPUTS:	16 reclocked SMPTE 259M serial video, 75Ω on BNC connectors.
REFERENCE INPUT:	Analog loop through on BNC connectors, 75Ω/Hi-Z, switchable SMPTE-259M serial video (option).
OUTPUT LEVEL:	800mV, +/-5%.
SWITCHING:	Vertical interval.
RESOLUTION:	8 or 10-bit, automatic.
SUPPORTED STANDARDS:	143Mbps (4fsc NTSC), 177Mbps (4fsc PAL), 270Mbps (4:2:2 Component), 360Mbps (4:2:2 Widescreen).
EQUALIZATION:	Automatic up to 300m, (Belden 8281 cable, 270Mbps).
JITTER:	<300ps at 270Mbps, 10Hz.
OVERSHOOT:	<5%.
CONTROL:	38 front panel buttons; RS-232, RS-485, IR remote, dry keyboard extension.
POWER SOURCE:	230V AC, 50/60Hz, (115V AC, USA) 10VA.
DIMENSIONS:	19" x 7" x 2U W, D, H, rack mountable.
WEIGHT:	3.5kg (7.8lbs) approx.
ACCESSORIES:	Power cord, null-modem adapter, Windows®-based Kramer control software.