CV RS-232 RS-485

KRAMER ELECTRONICS, LTD

K KRAMER

16x16 Video Matrix Switcher VS-1616

The Kramer VS-1616 is designed primarily as a high performance 16x16 vertical interval matrix switcher for composite video signals using BNC connectors, but can be configured for other signal formats as described below. It is a true matrix switcher, allowing any input to be routed to any or all outputs simultaneously. Since the VS-1616 switches during the vertical interval, transitions are glitch-free when sources share a common reference sync. 15 non-volatile preset memory settings are provided for easy recall of common configurations.

In addition to its typical 16x16 operation, the VS-1616

can be configured as an 8x8 for s-Video (YC), 5x5 for YUV, or 4x4 for RGBS signals. It is designed to be easily expandable to create larger switching systems. For example, two units can combine to form a 16x32 system, etc. Also, multiple VS-1616's can be operated in parallel for larger multi-channel systems. For example, two units can be used as a 16x16 for s-Video. Control is performed by simple front panel buttons or RS-232 serial commands from touch screen systems, personal computer, or other dedicated serial controllers.
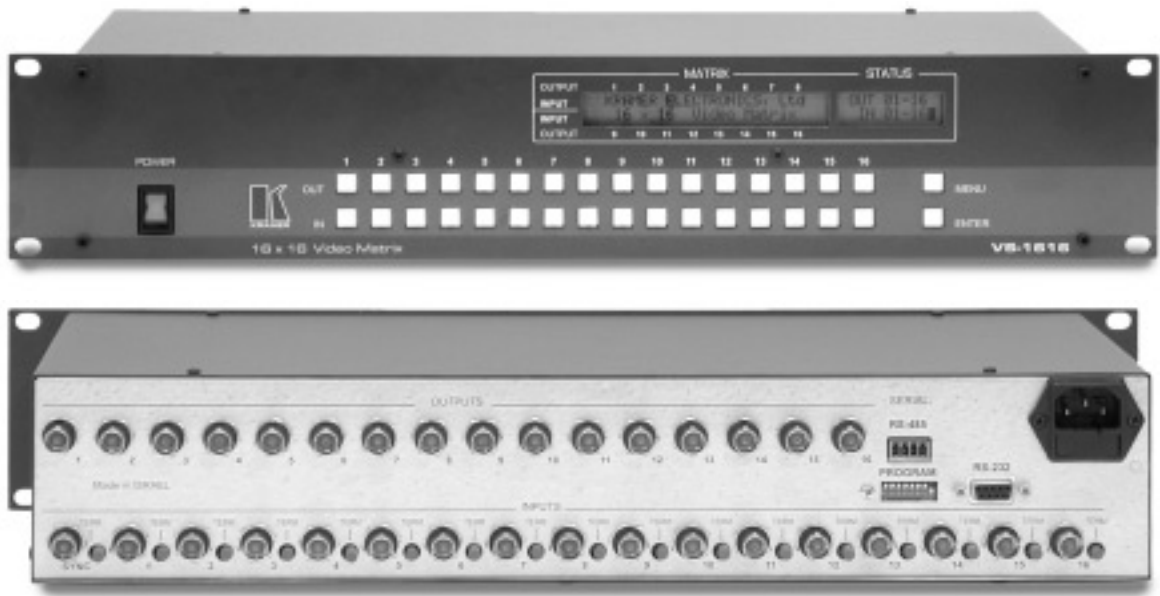
TECHNICAL SPECIFICATIONS

INPUTS:	16 composite video, or 8 s-Video (YC), or 4 RGBS, or 5 YUV, 1Vpp / 75 .
OUTPUTS:	16 composite video, or 8 s-Video, or 4 RGBS, or 5 YUV, 1Vpp / 75 .
VIDEO BANDWIDTH:	200 MHz. -3 dB.
VIDEO CROSSTALK:	<53 dB @ 5 MHz.
NON LINEARITY:	<0.1%.
VIDEO S/N:	76 dB.
DIFF. GAIN:	<0.13%.
DIFF. PHASE:	<0.08 Deg.
K-FACTOR:	<0.05%.
CONTROL:	Manual, RS-232 or RS-485.
SWITCHING:	Vertical interval.
DIMENSIONS:	19-inch (W), 7-inch (D) 2U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz, (115VAC, U.S.A.) 10VA.
WEIGHT:	3.5 kg. (7.8 Lbs.) approx.
ACCESSORIES:	Power cord, Windows 95/98 control software, Null modem adapter.

TYPICAL APPLICATIONS

▤ Any professional display system requiring video signal routing.
▤ Broadcast, presentation and production facilities.

▤ Rental and staging applications.
▤ Monitoring in large duplication systems.