



5x1 Vertical Interval Video Switcher

VS-55V

The Kramer VS-55V is a high performance 5x1 vertical interval switcher designed for composite video signals. One of up to five sources can be routed to one monitor, projector, or other receiving device. Since it switches during the vertical interval, transitions are glitch-free when sources share a common reference sync. The LINK connector is designed to allow the use of a VS-55A (see page 2.35) to form "audio-follow-video" systems. The VS-55V also provides an EXT connector, which allows

multiple units to be combined to form larger switching systems. For example, two units will form a 10x1, three will form a 15x1, etc. A 12VDC power supply is included for typical operation but the optional model VA-50P can power up to six Kramer devices requiring 12VDC. All Kramer VS-55 series products can be rack-mounted using the model RK-50RN kit which holds two units in one vertical rack space.



TECHNICAL SPECIFICATIONS

INPUTS:	5 composite / single component video 1Vpp / 75 Ω on BNCs.
OUTPUT:	1 composite / single component video, 1 Vpp / 75 Ω on a BNC connector. LINK connector (DB-9) for parallel operation, EXT connector (RCA) for switcher extension.
VIDEO BANDWIDTH:	150 MHz. -3dB.
SWITCHING:	During vertical interval of source No. 1.
DIFF. GAIN:	<0.88 %.
DIFF. PHASE:	<0.35 Deg.
K-FACTOR:	<0.05%.
NON LINEARITY:	<0.3%.
VIDEO S/N RATIO:	Better than 73 dB.
CROSSTALK:	<-45dB @ 5 MHz.
MAX. VIDEO OUTPUT:	>1.6Vpp/75 Ω .
CONTROL:	5 front-panel touch switches, contact closure - via the link connector.
POWER SOURCE:	12 VDC 100mA.
DIMENSIONS:	16.5cm x 12cm x 4.5cm (6.5" x 4.7" x 1.7"), W, D, H.
WEIGHT:	0.66 kg (1.46 lbs.) approx.
ACCESSORIES:	12 VDC power supply.
OPTIONS:	19" rack adapter RK-50RN (see page 6.23 for details).

TYPICAL APPLICATIONS

Any professional display system requiring high quality video switching.

Video and audio production studios.
Security, CCTV, and home theater systems.