



KRAMER ELECTRONICS, LTD

GROUP 2

3x4x1 Presentation Video, Audio and VGA Switcher

VP-23

The Kramer VP-23 is a high quality presentation switcher designed for a wide variety of presentation and multimedia applications. It combines the functions of a 4x1 switcher for composite video and audio, a 4x1 switcher for s-Video and audio, and a 4x1 switcher for VGA-type signals with audio, all in a single high performance unit. The VP-23 is designed to become a one-box solution for systems, which would otherwise require several separate products. Each section can be controlled independently of the others. The VP-23 can be controlled by front panel buttons or by RS-232 serial

commands transmitted by a touch screen system, personal computer, or other serial controller.

The VP-23 has an additional audio switching section which routes one of the pre-selected audio inputs from the other switching sections to a separate output. This switching section can insert an additional microphone channel either by switching, mixing or talk-over. Front-panel controls allow adjustment of VGA/XGA output level and EQ, Master audio output level and Microphone level.



TECHNICAL SPECIFICATIONS

INPUTS:	4 VGA / XGA on HD-15F connectors, 4 s-Video, 1Vpp (Y), 0.3Vpp (C) / 75 Ω on 4P connectors, 4 composite video 1Vpp / 75 Ω on BNCs. Each input is accompanied by the appropriate audio stereo channels: +4dBm / 50k Ω on RCAs. Mic: 3 mV / 10k Ω condenser / dynamic.
OUTPUTS:	1 x VGA / XGA, 1 s-Video - 1Vpp (Y), 0.3Vpp (C) / 75 Ω on a 4P connector, 1 composite video 1Vpp / 75 Ω on a BNCs. Each output is accompanied by the appropriate audio stereo channel: +4dBm / 150 Ω , 1 master audio + 4dBm / 150 Ω .
BANDWIDTH:	XGA / VGA: 315 MHz.; s-Video (Y): 260 MHz.; composite video: 470 MHz.; audio: 40kHz. -3dB.
DIFF GAIN:	<0.07% all channels.
DIFF PHASE:	<0.05 Deg. all channels.
S/N RATIO:	Video: 75dB all channels; audio: 75 dB / 1Vpp, all channels.
CONTROL:	16 selector switches RS-232; level control: VGA / XGA: +4 dB; audio: +6 dB, Mic: up to +49dB.
MAX OUTPUT:	Video: 2.1 Vpp; audio: 27 Vpp.
DIMENSIONS:	19-inch(W) x 7-inch(D) x 2U(H), rack mountable.
POWER:	230 VAC, 50/60 Hz., (115 VAC, U.S.A.) 16 VA.
WEIGHT:	3.6 kg. (8 lbs.) approx.
ACCESSORIES:	Power cord, PC control software.

TYPICAL APPLICATIONS

- Presentation and conference room systems.
- Rental and staging.
- Production studios.