



KRAMER ELECTRONICS, LTD

GROUP 2

3x4x1+1 Presentation Video Audio VGA/XGA Switcher VP-23xl

The Kramer VP-23xl is a high quality Presentation Switcher designed for a wide variety of presentation and multimedia applications. In one high performance unit, it combines the functions of a 4x1 switcher for composite video, a 4x1 switcher for s-Video, and a 4x1 switcher for VGA/XGA-type signals, all with their appropriate balanced stereo audio channels. The VP-23xl is designed to be a one-box solution for installations that would otherwise require several separate products. Each section can be controlled independently of the others. The selected inputs are simultaneously available on separate output sockets. The VP-23xl is

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-23xl has an additional audio switching section which routes one of the 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. Master audio output levels can be changed by RS-232 commands. Front-panel controls adjust 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 on 4P connectors, 4 Composite Video 1Vpp / 75 on BNCs. Each input is accompanied by the appropriate balanced stereo-audio channels: +4dBm / 50 k on detachable terminal block connectors. Mic: 3 mV/ 10k condenser/dynamic on an XLR connector.
OUTPUTS:	1 x VGA/XGA, 1 s-Video - 1Vpp (Y), 0.3Vpp (C) / 75 on a 4P connector, 1 Composite Video 1Vpp / 75 on a BNC. Each output is accompanied by the appropriate stereo-audio channel: +4dBm / 150 ; 1 Master audio +4dBm / 150
MAX. OUTPUT LEVEL:	Video: 2.1 Vpp; Audio: 27 Vpp.
BANDWIDTH (-3dB):	XGA/VGA: 315 MHz; s-Video (Y): 260 MHz; Composite Video: 470 MHz; Audio: 40kHz.
DIFF. GAIN:	<0.07 % all channels.
DIFF. PHASE:	<0.05 Deg. all channels.
S/N RATIO:	Video: 75 dB all channels; Audio: 75 dB / 1Vpp, all channels.
CONTROLS:	16 selector switches; VGA/XGA level: up to 4 dB; Audio: up to 6 dB, Mic: up to 49 dB, Mic Talk over switch, Mic type selector switch (rear);
POWER SOURCE:	230 VAC, 50/60 Hz, (115 VAC, U.S.A.) 16 VA.
DIMENSIONS:	19-inch (W) x 7-inch (D) x 2U(H), rack mountable.
WEIGHT:	3.7 Kg. (8.1 Lbs.) approx.
ACCESSORIES:	Power Cord, PC control software..

TYPICAL APPLICATIONS

- Presentation and conference room systems.
- Production studios, rental and staging.