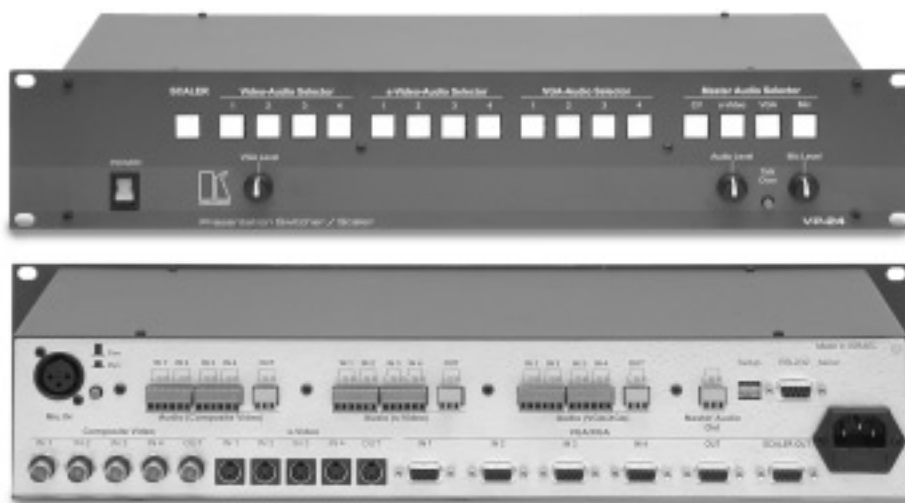


3x4x1 Presentation Switcher with Built-in Scaler

VP-24

The Kramer VP-24 is a high quality presentation switcher / scaler 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 and audio, a 4x1 switcher for s-Video and audio, and a 4x1 switcher for VGA-type signals with audio. The VP-24 is designed to be a one-box solution for installations that would otherwise require several separate products. Each section can be controlled independently from the others. When the machine is switched to the "SCALER" mode, any selected input is outputted via a HD-15F connector, scaling the composite and YC inputs to SVGA (PAL), VGA (NTSC).

The graphics input is routed "as-is" to the scaled output. The VP-24 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-24 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. The machine allows changing the master audio output levels by RS-232 commands. 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 on 4P connectors, 4 composite video 1Vpp / 75 on BNCs. Each input is accompanied by the appropriate audio stereo channels: +4dBm / 50k on detachable terminal block connectors. Mic: 3mV / 10k condenser / dynamic on an XLR connector.
OUTPUTS:	1x VGA / XGA (non-scaled), 1 s-Video - 1Vpp (Y), 0.3Vpp (C) / 75 on a 4P connector, 1 composite video 1Vpp / 75 on a BNC, 1x SVGA (PAL), VGA (NTSC) scaled output on HD-15F connector. Each output is accompanied by the appropriate audio stereo channel: +4dBm / 150 , 1 master audio +4dBm / 150 .
BANDWIDTH:	XGA / VGA: 315 MHz.; s-Video (Y): 260 MHz.; composite video: 470 MHz.; audio: 40kHz.
S/N RATIO:	Video: 75 dB all channels; audio: 75 dB / 1Vpp, all channels.
DIFF. GAIN:	<0.07 % all channels.
DIFF. PHASE:	<0.05 Deg. all channels.
CONTROL:	17 selector switches RS-232; VGA / XGA level: 4 dB; audio: 6 dB, Mic: up to 49 dB.
MAX OUTPUT:	Video: 2.1 Vpp; audio: 27 Vpp.
DIMENSIONS:	19-inch(W) x 7-inch(D) x 2U(H), rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz., (115 VAC, U.S.A.) 16 VA.
WEIGHT:	3.8 kg. (8.4 Lbs.) approx.
ACCESSORIES:	Power cord, PC control software.

TYPICAL APPLICATIONS

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