VP-4x4xl
4x4 Computer Graphics Video & Balanced Stereo Audio Matrix Switcher

VGA	BAL	RS-232	RS-485

HDTV COMPATIBLE Compatible with HDTV component video signals when used with a breakout cable such as the Kramer C-GM/3RVF.

The VP-4x4 and VP-4x4xl are high-performance matrix switchers for computer graphics video signals, with resolutions ranging from VGA through UXGA and higher, and balanced stereo audio signals. They can route any or all inputs to any or all outputs simultaneously.

FEATURES

- **High Bandwidth** - 440MHz (VP-4x4) & 300MHz (VP-4x4xl) fully loaded (-3dB).
- **HDTV Compatible.**
- **Control** - Front panel, RS-232 (K-Router™ Windows®-based Kramer software is included), RS-485 & IR remote (VP-4x4XL).
- **Front Panel Control Lockout.**
- **Take Button** - Executes multiple switches all at once.
- **Memory Locations** - Stores multiple switches as presets to be recalled and executed when needed.
- **Delayed Switching (VP-4x4xl)** - Up to a 3.5s (user selectable) delay for clean switching.
- **Audio Breakaway Switching.**
- **Standard 19" Rack Mount Size** - 1U. Rack "ears" included.

TECHNICAL SPECIFICATIONS

INPUTS:	4 UXGA on 15-pin HD (F) connectors; 4 balanced stereo audio signals on 5-pin terminal block connectors.
OUTPUTS:	4 UXGA on 15-pin HD (F) connectors; 4 balanced audio stereo signals on 5-pin terminal block connectors.
BANDWIDTH (-3dB):	Video: 300MHz; Audio: 77kHz
MAX. OUTPUT LEVEL:	Video: 2.9Vpp; Audio: >17Vpp.
DIFF. GAIN:	0.07%.
DIFF. PHASE:	0.03Deg.
K-FACTOR:	<0.05%.
S/N RATIO:	Video: 73.5dB; Audio: 96dB unweighted.
CROSSTALK (all hostile):	Video: -54dB @5MHz; Audio: -72dB @1kHz.
COUPLING:	Video: DC; Audio: Input: AC; output: DC.
AUDIO THD + NOISE:	0.023% @1kHz.
AUDIO 2nd HARMONIC:	0.02% @1kHz.
CONTROLS:	Front panel, RS-485.
POWER CONSUMPTION:	100-240V AC, 3VA max.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.7kg (6lbs) approx.
INCLUDED ACCESSORIES:	Power cord, null-modem adapter, Windows®-based Kramer control software.