## VP-81N/VP-161/VP-321

## 8, 16, & 32x1 Computer Graphics Video & Balanced Stereo Audio Switchers









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

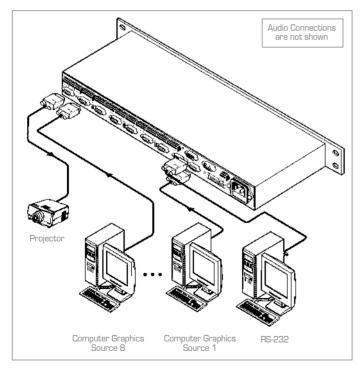




The VP-81N, VP-161, and VP-321 are high performance switchers for computer graphics video signals, with resolutions ranging from VGA through UXGA and higher, and balanced stereo audio signals. They will switch any one of 8, 16, and 32 inputs to a single output.

## **FEATURES**

- High Bandwidth VP-81N: 600MHz (-3dB), VP-161: 400MHz (-3db), and VP-321: 250MHz (-3dB)
- HDTV Compatible.
- Control Front Panel, RS-232 (K-Router™ Windows® based software included), & RS-485, contact closure & IR remote (included).
- ID Bit Control each input.
- Audio Breakaway Switching.
- Standard 19" Rack Mount Size VP-81N: 1U, VP-161: 2U, & VP-321: 4U



## **TECHNICAL SPECIFICATIONS**

INPUTS: 8 analog red, green, blue signals -

 $0.7Vpp/75\Omega$ , H & V syncs, TTL level on HD15F connectors. 8 balanced audio stereo signals, + 4dBm typ. on detachable terminal blocks.

OUTPUTS: 1 analog red, green, blue signals - 0.7 Vpp/75 $\Omega$ , H & V syncs, TTL level on an HD15F connector. 1 balanced

audio stereo signal, + 4dBm typ. on a detachable terminal block.

VIDEO BANDWIDTH (- 3dB): VP-321: >180MHz; VP-161: >300MHz;

VP-81N: >500MHz.

AUDIO BANDWIDTH (- 3dB): 100kHz. AUDIO THD LN: 0.023%.

AUDIO CROSSTALK: - 65dB@1kHz; -58.8dB@20kHz.

AUDIO S/N RATIO: 83dB, Unweighted.
2nd HARMONIC: 0.002%.
DIFF. GAIN: 0.04%.

DIFF. PHASE: 0.02 Deg.
K-FACTOR: < 0.05%.
VIDEO S/N RATIO: 73dB.
VIDEO CROSSTALK: - 63dB@ !

VIDEO CROSSTALK: - 63dB@ 5MHz, all hostile.

CONTROL: 8 selector switches; RS-232, RS-485; IB remote control: detachable

terminal blocks for remote dry-contact switches. ID bit control.

POWER SOURCE: 230 VAC, 50/60Hz,

(115VAC, U.S.A.) 12VA max.
DIMENSIONS: 19-inch (W), 7-inch (D), VP-81N: 1U

(H), VP-161: 2U (H), VP-321: 4U

(H) rack-mountable.

WEIGHT: 2.7kg. (6lbs.) approx.
ACCESSORIES: Power cord, Null mode

S: Power cord, Null modem adapter, Windows®-based control software