



# kramer

## VP-81KSi

8x1 Computer Graphics Video & Stereo  
Audio Step-In Switcher

| Ethernet - RJ-45



The VP-81KSi is a high-performance analog step-in switcher for computer graphics video with resolutions up to WUXGA and unbalanced stereo audio signals. The unit can switch any one of eight inputs to one computer graphics video, one unbalanced and one balanced stereo audio and one twisted pair output. The VP-81KSi works in conjunction with up to eight VGA Remote Control Step-in Modules including the SI-1VGA (for TBUS-10), SI-VGAT (under the table) and WSI-1VGA (for standard TBUSes)

## FEATURES

**High Bandwidth** - 440MHz (-3dB), CAT 5 (Rec Out) up to WUXGA

**HDTV Compatible**

**Kr-isp® Advanced Sync Processing** - Ensures compatibility with a wide range of computers (even if the sync level is too low) by restoring the sync signal waveform

**Remote Step-In Switching** - Up to 8 users, connected through SI-1VGA remote input/switching step-in modules, can each step in to switch the input to the local remote PC

**EDID Pass-through** - Pass-through algorithm ensures Plug and Play operation for analog source and display systems

**Multiple Unit Cascade** - Cascades up to 8 units to create a "virtual" switcher of up to 57 inputs

**Audio Switching Modes** - Audio-Follows-Video (AFV) and audio breakaway switching

**Flexible Control Options** - Front panel, remote step-in panels, RS-232 (K-Router™ Windows®-based software is included), RS-485, Ethernet via a built-in Web server, contact closure & IR remote (available upon request)

**Worldwide Power Supply** - 100-240V AC



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## TECHNICAL SPECIFICATIONS

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INPUTS:	8 UXGA on 15-pin HD (F) connectors, 8 unbalanced stereo audio on 3.5mm mini jacks
OUTPUTS:	1 UXGA on 15-pin HD connector, 1 twisted pair on RJ-45 connector, 1 unbalanced stereo audio on a 3.5mm mini jack, 1 balanced audio stereo on a 5-pin detachable terminal block
MAX. OUTPUT LEVEL:	Video: 2Vpp; Audio: stereo unbalanced 7.8Vpp, stereo balanced 15.6Vpp differential
BANDWIDTH (-3dB):	Video: out 440MHz, CAT 5 (Rec Out) 150MHz; Audio: stereo unbalanced 20kHz, stereo balanced 20kHz
VIDEO RESOLUTION:	VGA to WUXGA
DIFF. GAIN:	XGA: 0.04%
DIFF. PHASE:	UXGA: 0.07Deg
K FACTOR:	UXGA: 0.2%
S/N RATIO:	Video: UXGA 68.3dB @5MHz; Audio: stereo unbalanced 74dB @1KHz, stereo balanced 74.4dB @1kHz; CAT 5 (Rec Out) 69.8dB
CROSSTALK (all hostile):	Video: UXGA -52dB @5MHz; Audio: local stereo unbalanced -73dB @1KHz, local stereo balanced <72dB @1kHz
VOLUME CONTROL:	Audio: stereo unbalanced -65.4 to 25.8dB; stereo balanced -59.4 to 31.8dB
COUPLING:	Video: UXGA-DC, TP Out-DC; Audio: stereo unbalanced-In AC, Out DC, stereo balanced-In AC, Out DC
AUDIO THD + NOISE:	Stereo unbalanced 0.08%, stereo balanced 0.08%
AUDIO 2nd HARMONIC:	Stereo unbalanced 0.001%, stereo balanced 0.001%
POWER CONSUMPTION:	100-240V AC 50/60Hz, 29VA
INCLUDED ACCESSORIES:	Power cord, Windows® based Kramer control software, RC-IR3 infrared remote control transmitter, one SI-1VGA remote step-in module, rack "ears"
OPTIONS:	External remote IR receiver cable, 15m extension cable, SI-1VGA remote step-in module
Product Dimensions	19" x 7.20 x 1U (43.6cm x 18.30cm x 4.36cm) W, D, H
Product Weight	1.9kg (4.1lbs) approx
Shipping Dimensions	55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21" ) W, D, H
Shipping Weight	2.7kg (6.0lbs) approx

