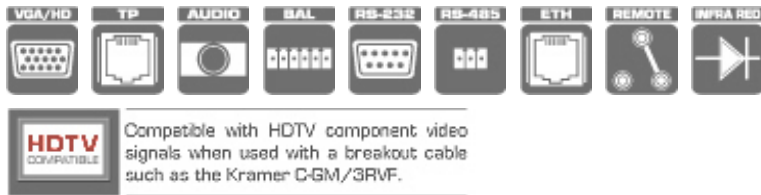




## VP-31KSi

### 3x1 Computer Graphics Video & Stereo Audio Step-In Switcher



The VP-31KSi 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 three inputs to one computer graphics video, one unbalanced and one balanced stereo audio and one twisted pair output. The VP-31KSi works in conjunction with up to three 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) 150MHz.
- 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 - Supports up to 3 Kramer Remote Step-In Panels (for example, the SI-1VGA, WSI-1VGA or SI-VGAT) for remote inputs and remote step-in control.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for analog systems.
- Multiple Unit Cascade - Cascades up to 8 units to create a "virtual" switcher of up to 17 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 (included).
- Desktop Size - Compact size. 2 units can be rack mounted side-by-side in a 1U rack space with an optional RK-1 adapter.



## VP-31KSi

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### TECHNICAL SPECIFICATIONS

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INPUTS:	3 UXGA on 15-pin HD connectors, 3 unbalanced stereo audio on 3.5mm mini jacks.
OUTPUTS:	1 UXGA on a 15-pin HD connector, 1 twisted pair on an 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: 2.2Vpp; Audio: stereo unbalanced 7.9Vpp, stereo balanced 15.8Vpp differential (17dBu).
BANDWIDTH (-3dB):	Video: out 440MHz max, CAT 5 (Rec Out) 150MHz; Audio: stereo unbalanced 20kHz, stereo balanced 20kHz.
VIDEO RESOLUTION:	Up to WUXGA.
DIFF. GAIN:	XGA: 0.06%.
DIFF. PHASE:	UXGA: 0.05Deg.
K FACTOR:	UXGA: <0.05%.
S/N RATIO:	Video: UXGA 69.5dB @5MHz, CAT 5 69.1dB; Audio: stereo unbalanced 80.8dB @1KHz, stereo balanced 80.8dB @1kHz, CAT 5 (Rec Out) 80.1dB.
CROSSTALK (all hostile):	Video: UXGA -63.2dB @5MHz; Audio: local stereo unbalanced -117.7dB @1KHz, local stereo balanced -108.8dB @1kHz.
VOLUME CONTROL:	Audio: stereo unbalanced -116.3 to 21.1dB; stereo balanced -109.7 to 27.1dB.
COUPLING:	Video: UXGA—DC, TP Out—DC; Audio: Balanced/unbalanced—In/Out AC.
AUDIO THD + NOISE:	Stereo unbalanced 0.026%, stereo balanced 0.01%.
AUDIO 2nd HARMONIC:	Stereo unbalanced 0.002%, stereo balanced 0.003%.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
POWER CONSUMPTION:	12V DC 260mA. When connected to TP-122/N or TP124, 750mA.
DIMENSIONS:	16.9cm x 16.7cm x 3.2cm (6.7" x 6.57" x 1.3") W, D, H rack-mountable.
WEIGHT:	1.1kg (2.43lbs) approx.
INCLUDED ACCESSORIES:	Power cord, Windows® based Kramer control software, RC-IR3 Infrared Remote Control transmitter.
OPTIONS:	SI-1VGA, SI-VGAT and WSI-1VGA Remote Step-in modules; RK-1 19" rack adapter.