



# VGA/XGA Presentation Processor

# VP-11

The Kramer VP-11 is a unique processor, dealing with specific problems related to high resolution graphic signals, from VGA to UXGA. It converts VGA/XGA signals to RGBHV signals, on BNC connectors. The machine has a looping VGA/UXGA HD15 looping input and three sets of outputs - two outputs on HD15 type connectors and one output on 6 BNCs - red, green, blue, H sync, V sync and composite sync. The VP-11 controls the individual levels of the red, green and blue signals

(for chroma correction and white balance control). It also has contrast control (ideal for video and data projectors), definition / cable EQ. control for image enhancement and elimination of fine detail loss, and black level (DC) control for RGB DC offset control. The user can select green or green + sync output, as well as horizontal and vertical sync shift control for the RGBHV on BNCs output. The machine is housed in a rugged, professional rack mountable enclosure.



VIDEO AUDIO PROCESSORS



## TECHNICAL SPECIFICATIONS

<b>INPUTS:</b>	Analog red, green, blue signals - 0.7 Vpp / 75 $\Omega$ , H & V syncs, TTL level looping on HD15F connectors with a termination switch and ID Bit control switch.
<b>OUTPUTS:</b>	Two analog red, green, blue signals - 0.7 Vpp / 75 $\Omega$ , H & V syncs, TTL level on HD15F connectors. One analog red, green, blue signals - 0.7 Vpp / 75 $\Omega$ , H, V and Cs syncs, TTL or analog level on BNC connectors.
<b>VIDEO BANDWIDTH:</b>	300 MHz. -3 dB.
<b>VIDEO S/N RATIO:</b>	72 dB.
<b>DIFF. GAIN:</b>	0.13%.
<b>DIFF. PHASE:</b>	0.04 Deg.
<b>K-FACTOR:</b>	<0.05%.
<b>CONTROLS:</b>	R, G, B: -0.8 to +5.1 dB, black (DC offset): -1.3 to + 1 Volt, contrast: 0 to +7.7dB, definition: 0 to +5.7 dB @ 5.8 MHz. Delay enable switch, G/G+sync switch, H & V delay controls.
<b>DIMENSIONS:</b>	19-inch (W), 7-inch (D) 1U (H) rack mountable.
<b>POWER SOURCE:</b>	230 VAC, 50/60 Hz, (115 VAC, U.S.A.) 4.2 VA max.
<b>WEIGHT:</b>	2.6 kg. (5.7 lbs.) approx.
<b>ACCESSORIES:</b>	Power cord.

## TYPICAL APPLICATIONS

- Any professional multimedia and presentation application where full image control is needed.
- Color correction and image enhancement of projector images in public, educational and stage applications.
- Special effects generation in video/data projection applications.