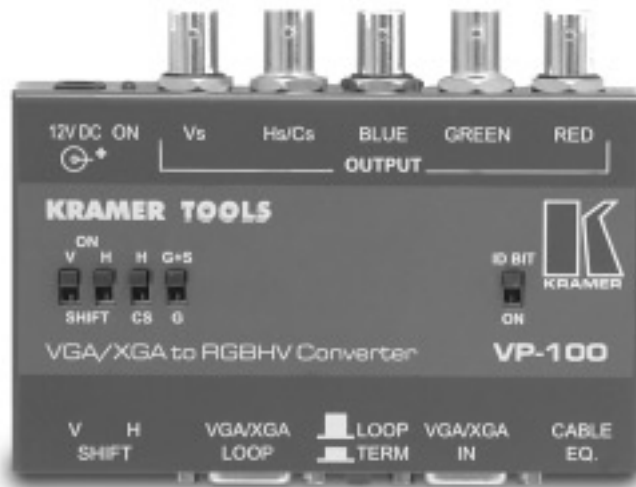




VGA/XGA to RGBHV Converter/Interface VP-100

The Kramer VP-100 is a high performance VGA/XGA/UXGA to BNC converter designed to allow a single VGA/XGA/UXGA source to simultaneously drive a local monitor and a remote large display device. Many projectors and large monitors use BNC connectors rather than multi-pin D connectors. The VP-100 solves this physical incompatibility, and provides local monitor loop-through, as well as the necessary buffering, amplification, and sync processing for remote acceptors applications. Note that the VP-100 does not perform scan rate conversion.

The VP-100 will accept all typical graphics modes such as VGA, SVGA, XGA, SXGA, and UXGA and will output RGB, RGBS, or RGBHV. Video bandwidth of 350 MHz ensures transparent operation at multiple resolutions including UXGA. The machine allows looping with a termination switch, cable EQ. control, Hs and Vs shift control and ID bit control. The machine is fed from an external 12 VDC source, and therefore is perfectly suitable for field operation as well. The VP-100 is part of the Kramer TOOLS family of compact, high quality, and cost effective solutions for a variety of applications.



TECHNICAL SPECIFICATIONS

INPUTS:	Looping analog red, green, blue signals - 0.7 Vpp / 75 Ω , H & V sync, TTL level, on HD15F connector.
OUTPUTS:	1 x analog red, green (with or without composite sync), blue signals - 0.7 Vpp / 75 Ω , H & V syncs -TTL level (Hi-Z load) or analog level (75 Ω load) on BNC connectors. Composite sync - TTL levels (Hi-Z load) or analog level (75 Ω load).
VIDEO BANDWIDTH:	350 MHz. -3 dB.
S/N RATIO:	71 dB.
DIFF. GAIN:	0.07%.
DIFF. PHASE:	0.03 Deg.
K-FACTOR:	<0.05%.
CONTROLS:	Cable EQ. control, H & V sync shift switches and controls, G / sync on green switch, Hs / Cs switch, ID bit switch, input termination switch.
EQ. CONTROL:	0 to +9.7dB @ 5 MHz.
DIMENSIONS:	12cm x 7.5cm x 2.5 cm (4.7" x 2.95" x 0.98"), W, D, H.
POWER SOURCE:	12 VDC, 60 mA.
WEIGHT:	0.3 kg. (0.67 lbs.) approx.
ACCESSORIES:	Power supply, mounting bracket.
OPTIONS:	19" rack adapter RK-T1, RK-T3 (see pages 6.24, 6.25 for details).

TYPICAL APPLICATIONS

- Any professional display system requiring up to UXGA signal splitting and conversion to BNCs.
- Long distance graphics signal distribution.