



## VGA to RGBS Interface

## VP-102

The Kramer VP-102 is a high performance VGA to BNC converter designed to allow a single VGA source to drive a local monitor and a compatible large display device simultaneously. Many projectors and large monitors provide BNC connectors rather than multi-pin D connectors. The VP-102 solves this physical incompatibility, and provides the local monitor loop-through, necessary buffering, isolation, and sync processing for electronic compatibility. Note that the VP-102 does not perform any scan rate conversion.

The VP-102 will accept all typical VGA modes such as VGA, SVGA, and XGA, SXGA, and output RGBsB, RGBS, or RGBHV. Video bandwidth of 315MHz ensures transparent operation at multiple resolutions including XGA. For applications not requiring a local monitor, a rear-panel termination switch is provided eliminating the need for external termination plugs. The VP102 is rugged, dependable, and runs on standard 230/115VAC via an ordinary detachable AC cord.



### TECHNICAL SPECIFICATIONS

INPUT:	Analog Red, Green, Blue signals - 0.7 Vpp/75Ω, H & V sync, TTL level, on HD15F connector.
OUTPUT:	Analog Red, Green (with or without Composite Sync), Blue signals - 0.7 Vpp/75Ω, H & V syncs-TTL level (Hi-Z load) or Analog Level (75Ω load) on BNC connectors. Composite Sync - TTL levels (Hi-Z load) or Analog level (75Ω load).
VIDEO BANDWIDTH:	315 MHz -3dB.
S/N RATIO:	73 dB.
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.09 Deg.
CONTROL:	Composite Sync or Horizontal Sync output, Green or Green+Sync selected via front panel switches.
COUPLING:	AC, inputs and outputs, with input protection circuitry.
DIMENSIONS:	24.5cm x 18 cm x 4.5 cm (9.6" x 7" x 1.7", W, D, H.).
POWER SOURCE:	230 VAC, 50/60 Hz, (115 VAC, U.S.A.) 3.7 VA.
WEIGHT:	1.2 kg. (2.7 lbs.) Approx.
ACCESSORIES:	Power cord.
OPTIONS:	19" Rack adapter RK-MEDN (see page 6.19 for details).

### TYPICAL APPLICATIONS

Any professional display system requiring VGA/XGA signal splitting w/ conversion to BNCs.

Rugged enclosure and standard AC power cable are ideal for rental/staging applications.