

VP-103

XGA Line Amplifier/Converter

GROUP 4



The Kramer **VP-103** is a high performance VGA/XGA/UXGA-to-BNC converter which allows a single VGA/XGA/UXGA source to simultaneously drive a local monitor and up to two compatible large display devices. Many projectors and large monitors use BNC connectors rather than multi-pin D connectors found on computers. The VP-103 solves this physical incompatibility, and also provides the local monitor loop-through, and the necessary buffering, amplification, and sync processing for remote acceptor applications. Note that the **VP-103** does not perform any scan rate conversion. The VP-103 will accept all typical VGA modes such as VGA, SVGA, XGA, SXGA, and UXGA and will output RGB, RGBS, or RGBHV. Video bandwidth of 315MHz ensures transparent operation at multiple resolutions including XGA. For applications not requiring a local monitor, a front-panel termination switch is provided eliminating the need for external termination plugs. The machine provides Level and Cable Equalization from easy-access front panel controls. The **VP-103** is rugged, dependable, and runs on a standard 12VDC source, and is therefore perfectly suitable for fieldwork.



TECHNICAL SPECIFICATIONS

INPUTS:	Looping analog red, green, blue signals - 0.7 Vpp/75 Ω , H & V sync, TTL level, on an HD15F connector.
OUTPUTS:	2 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 (-3dB):	315MHz.
DIFF. GAIN:	0.47%.
DIFF. PHASE:	0.15Deg.
VIDEO S/N RATIO:	75dB.
CONTROL:	Composite sync or horizontal sync output, green or green + sync selected via front panel switches, level control: - 1 to + 4.1dB, EQ. control: 0 to + 8.6dB @ 5.8MHz.
COUPLING:	AC, inputs and outputs, with input protection circuitry.
POWER SOURCE:	12VDC, 110mA 1.5W max.
DIMENSIONS:	24.5cm x 18 cm x 4.5 cm (9.6" x 7" x 1.8", W, D, H.).
WEIGHT:	1.1kg. (2.4lbs.) approx.
ACCESSORIES:	12Volts DC power supply.
OPTIONS:	RK-MEDN 19" Rack adapter.

TYPICAL APPLICATIONS

- Any professional display system requiring XGA signal splitting and conversion to BNC connectors.
- Long distance graphics signal distribution.
- Rental and staging applications.

