



VGA Line Amplifier / Converter

VP-103

The Kramer VP-103 is a high performance VGA/XGA/UXGA-to-BNC line amplifier 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 HD connectors found on computers. The VP-103 solves this physical incompatibility, and also provides 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 315 MHz 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 VP103 is rugged, dependable, and runs on a standard 12VDC source, and is therefore perfectly suitable for fieldwork.

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INTERFACES AND SYNC PROCESSORS



TECHNICAL SPECIFICATIONS

INPUTS:	Looping analog red, green, blue signals - 0.7 Vpp / 75 Ω , H & V sync, TTL level, on 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:	315 MHz. - 3 dB.
S/N RATIO:	75 dB.
DIFF. GAIN:	0.4%.
DIFF. PHASE:	0.15 Deg.
CONTROL:	Composite sync or horizontal sync output, green or green + sync selected via front panel switches, Level control: -1 to +4.1 dB, EQ. control: 0 to +8.6 dB @ 5.8 MHz.
COUPLING:	AC, inputs and outputs, with input protection circuitry.
DIMENSIONS:	24.5cm x 18 cm x 4.5 cm (9.6" x 7" x 1.8"), W, D, H.
POWER SOURCE:	12 VDC, 110mA 1.5W max.
WEIGHT:	1.1 kg. (2.4 lbs.) approx.
ACCESSORIES:	12 Volts DC power supply.
OPTIONS:	19" rack adapter RK-MEDN (see page 6.23 for details).

TYPICAL APPLICATIONS

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