

VP-123/VP-123V

1:3 RGBHV Distribution Amplifier



The VP-123 is compatible with HDTV component video signals when used with a breakout cable such as the Kramer C-GM/3RVF. The VP-123V is HDTV ready.



The Kramer **VP-123** and **VP-123V** are high performance 1:3 distribution amplifiers for graphics and component video signals. Both machines use 5 BNC connectors for each output. The **VP-123** uses 5 BNC connectors for the inputs, while the **VP-123V** uses a "VGA" - HD15F connector for the input. The **VP-123/V** have three high bandwidth analog channels - Red, Green and Blue that may be used, if needed, for other video formats - such as Composite, Y/C, Component etc. The two other channels are H Sync and V Sync channels which are digital/logic channels, and include special circuitry for sync reconstruction and shaping. In addition to a typical RGBHV application, the three analog channels can operate independently, allowing the machine to be used as three separate 1:3 DA's for composite video or other formats. Bandwidth of over 450MHz ensures that the **VP-123/V** remains transparent even in critical broadcast or high resolution applications. The machines are housed in a rugged, professional, rack mountable enclosure requiring only one vertical space in a standard 19" rack, and are fed from a 12VDC source, making them ideal for fieldwork as well.



TECHNICAL SPECIFICATIONS

INPUT:	1 x 3 - component /RGB/ composite video, 1Vpp/75Ω on BNC connectors (VP-123) or on an HD15F connector (VP-123V) H Sync and V Sync, TTL level.
OUTPUTS:	3 x 3 - component /RGB/ composite video, 1 Vpp/75Ω on BNC connectors 3 x H Sync, V Sync TTL level on BNC connectors.
MAX. OUTPUT LEVEL:	2.1Vpp/75Ω (R, G, B).
BANDWIDTH (-3dB):	450MHz.
DIFF. GAIN:	0.13%.
DIFF. PHASE:	0.02 Deg.
K-FACTOR:	< 0.05%.
S/N RATIO:	82.3dB.
CROSSTALK:	55.9dB, all hostile.
CONTROLS:	Level: -0.8 to +6.3dB; EQ.: 0 to +13.6dB @ 50MHz.
COUPLING:	DC.
POWER SOURCE:	12VDC, 100mA.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
WEIGHT:	2.36kg (5.2lbs) approx.
ACCESSORIES:	12 VDC power supply.

TYPICAL APPLICATIONS

- Computer and workstation RGBHV distribution.
- Video duplication studios, delivering undiminished quality video duplicates.
- Broadcast component video signal distribution.