



1:3 Differential Video Line Amplifier 123Vxl

The Kramer 123Vxl is a high performance differential video line amplifier designed for production and broadcast studios, retail stores, professional display systems, and other demanding applications. It is an upgrade of the 123V, offering a much larger bandwidth (425 MHz vs. 55 MHz previously). The 123Vxl splits a single input source into three identical outputs while almost completely isolating the input from the outputs. The 123Vxl uses special differential amplifying circuitry,

eliminating noise and hum problems commonly found in long video lines. Recessed gain and equalization controls allow the user to compensate for signal loss inherent in long cable runs. A 12V power supply is included but the optional VA-50P can power up to six Kramer devices requiring 12VDC.

The 123Vxl is part of the Kramer TOOLS family of compact, high quality, and cost effective solutions for a variety of applications.



TECHNICAL SPECIFICATIONS

INPUTS:	1 video, differential, 1Vpp/75 on a BNC connector.
OUTPUTS:	3 video, 1Vpp/75 on BNCs.
MAX. OUTPUT LEVEL:	1.7 Vpp/75
BANDWIDTH (-3dB):	427 MHz. -3dB.
DIFF. GAIN:	0.5%.
DIFF. PHASE:	0.3 deg.
K-FACTOR:	<0.05%.
S/N RATIO:	60.3 dB.
CONTROLS:	Level: -1.8dB to +5.6 dB; EQ.: 0 to +15dB @ 5.8 MHz.
COUPLING:	AC.
POWER:	12 V DC, 80 mA.
DIMENSIONS:	12cm x 7.5cm x 2.5 cm (4.7" x 2.95" x 0.98") W, D, H.
WEIGHT:	0.3 kg (approx.), 0.66 lbs.
ACCESSORIES:	Power supply, mounting brackets.
OPTIONS:	19" rack adapters RK-T1, RK-T3 (see pages 6.31, 6.32 for details).

TYPICAL APPLICATIONS

- Any professional display or production system requiring long distance delivery of high quality video.
- CCTV, medical and sports applications.
- In retail rooms, delivering an identical picture to up to three distant monitors.