

104LN

| GROUP 1 |

1:4 Differential Video Line Amplifier



The **104LN** is a new version of our 104L high performance line amplifier which combines the functions of a distribution amplifier and a line driver. The **104LN** has a differential input which helps to eliminate noise picked up by the input cable. It accepts a single composite video input and provides four identical buffered outputs with gain and equalization controls on the side panel. The gain and EQ. Controls, which compensate for signal losses inherent in long cable runs, are recessed and accessible by screwdriver. The gain control adjusts the overall signal level, and the EQ. control boosts the upper frequencies most susceptible to loss. As the machine has a differential input and can drive long cables, it can be located anywhere in the distribution chain. Bandwidth of well over 400MHz ensures that the **104LN** remains transparent even in the most critical applications. The machine is fully DC coupled, ensuring **104LN** best linearity and signal flatness. A 12V power supply is provided, but the optional VA-50P can power up to six Kramer devices requiring 12VDC. The **104LN** is part of the Kramer TOOLS family of compact, high quality, and cost effective solutions for a variety of applications.



TECHNICAL SPECIFICATIONS

INPUT:	1 video (CV IN), differential, 1Vpp / 75 Ω , on a BNC connectors.
OUTPUTS:	4 video, 1Vpp / 75 Ω on BNC connectors.
MAX. OUTPUT LEVEL:	1.6 Vpp.
BANDWIDTH (-3dB):	> 400MHz.
DIFF. GAIN:	0.22%.
DIFF. PHASE:	0.1 Deg.
K-FACTOR:	< 0.05%.
S/N RATIO:	73.3dB.
CONTROLS:	Level: -1.3 to 6dB; EQ. 0 to 10.2dB.
COUPLING:	DC.
POWER SOURCE:	12 VDC, 95mA.
DIMENSIONS:	12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98"), W, D, H.
WEIGHT:	0.3 kg. (0.66 lbs.) approx.
ACCESSORIES:	Power supply, mounting bracket.
OPTIONS:	19" rack adapters RK-T1, RK-T3

TYPICAL APPLICATIONS

- Any system requiring a compact distribution amplifier and line driver.
- Auditoriums, churches, schools, home theater systems.
- Rental and staging applications.



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