

1:3 s-Video Line Amplifier

103YCB

The Kramer 103YCB is a high performance Line Amplifier which combines the functions of a distribution amplifier and a line driver. It accepts a single s-Video (Y/C) input and provides three identical buffered outputs, which are controlled by gain and equalization knobs located on the top panel. The gain and equalization controls are designed to compensate for signal losses inherent in long cable runs. The machine is an upgrade of the 103YC. This new model achieves added flexibility because, while still having three outputs, one of them resides on two BNC connectors (one for Y and one for C), which makes long distance operation possible when

using high quality coax cables. Separate overall gain controls for Y (Luma) and C (Chroma) are provided, and the EQ control boosts the upper frequencies of the Y component, which is most susceptible to loss. Bandwidth exceeding 430MHz ensures that the 103YCB remains transparent even in the most critical applications. A 12V power supply is provided, but the optional VA-50P can power up to six Kramer devices requiring 12VDC. The 103YCB is part of the Kramer TOOLS family of compact, high quality, and cost effective solutions for a variety of applications.

DISTRIBUTION AMPLIFIERS



TECHNICAL SPECIFICATIONS

INPUTS:	1 Y/C, Y=1Vpp/75 , C=0.3Vpp/75 on a "4P" connector.
OUTPUTS:	3 Y/C, Y=1Vpp/75 , C=0.3Vpp/75 , 2 outputs on "4P" connectors, one output on 2 BNCs (Y and C).
MAX. OUTPUT LEVEL:	2.6 Vpp/75 (Y).
BANDWIDTH (-3dB):	425 MHz (Y).
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.03 deg.
K-FACTOR:	<0.05%.
S/N RATIO:	72.4 dB.
CONTROLS:	Y Level: -1 to +6.5 dB, Y EQ.: 0 to +10.5 dB, C Level: -0.6 to +5.9dB.
COUPLING:	DC.
POWER SOURCE:	12 V DC, 40 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 page 6.31, 6.32 for details).

TYPICAL APPLICATIONS

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