

103YC/103YCB

1:3 s-Video Line Amplifier

GROUP 1



The Kramer **103YC/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 (YC) input and provides three identical buffered outputs which are affected by gain and equalization controls located on the top panel. The gain and equalization controls are designed to compensate for signal losses inherent in long cable runs. Separate overall gain controls for Y (luma) and C (chroma) are provided, and the EQ control boosts the upper frequencies of the Y component most susceptible to loss. Bandwidth exceeding 420MHz ensures that the **103YC** remains transparent even in the most critical applications. The **103YCB** has one output on BNC connectors for better compatibility and long cable use. A 12V power supply is provided, but the optional VA-50P can power up to six Kramer devices requiring 12VDC. The **103YC** is part of the Kramer TOOLS family of compact, high quality, and cost effective solutions for a variety of applications.



TECHNICAL SPECIFICATIONS

INPUTS:	1 Y/C, Y=1Vpp/75 Ω , C=0.3Vpp/75 Ω on a 4p connector.
OUTPUTS:	3 Y/C, Y=1Vpp/75 Ω , C=0.3Vpp/75 Ω , on 4p connectors. The 103YCB has one output on 2 BNC connectors (Y and C).
MAX. OUTPUT LEVEL:	2.6 Vpp/75 Ω (Y).
BANDWIDTH (-3dB):	420MHz (Y).
DIFF. GAIN:	0.05%.
DIFF. PHASE:	0.03 Deg.
K-FACTOR:	0.05%.
S/N RATIO:	72.4dB.
CONTROL:	Y level: -1 to +6.5dB, Y EQ.: 0 to +10.5dB, 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 bracket.
OPTIONS:	RK-T1, RK-T3 rack adapters.

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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