



Multi-standard Component to SDI Converter

FC-7501

The Kramer FC-7501 is a high quality, Multi-standard Converter that converts component video (Y, B-Y, R-Y, sometimes called YUV) to SMPTE-259M serial digital video (FCI). Many professional video units on the market today, such as Betacam decks and DVD players have a high quality component output, and the FC-7501 is ideal for preserving this quality, and minimizing the artifacts, when converting to the digital domain. Input looping connectors are provided, and there is a 75 Ω / Hi-Z switch for input termination. The converted FCI is available on 2 buffered and reclocked FCI outputs. There

is an RS-232 port and a user-friendly Windows® based program, provided with the unit, can modify video parameters such as contrast, saturation and hue, which are then stored in non-volatile memory.

The input standard (50Hz/60Hz) is automatically detected, generating the appropriate output. True 10-bit digitizing is used, making the unit ideal for broadcast applications.

The FC-7501 is rugged, dependable, and can be mounted in a 19" professional rack using the optional rack adapter.



TECHNICAL SPECIFICATIONS

INPUTS:	Y, R-Y, B-Y: 1Vpp, 0.7Vpp, 0.7Vpp / 75 Ω , looping on BNCs with termination switches.
OUTPUTS:	2 x SDI on BNCs.
BANDWIDTH (-3dB):	5.8 MHz.
NON-LINEARITY:	<1%.
S/N RATIO:	53 dB.
RESOLUTION:	10 bits.
CONTROLS:	Brightness, Contrast, Saturation, Hue (via RS-232).
COUPLING:	DC or AC via internal jumpers selection.
POWER SOURCE:	12 VDC, 260 mA.
DIMENSIONS:	22cm x 18cm x 4.5 cm (8.7" x 7" x 1.7") W, D, H, (half 19", 1U).
WEIGHT:	1.1 kg (2.42 lbs.) Approx.
ACCESSORIES:	12 VDC power supply.
OPTIONS:	19" rack adapter RK-80 (see page 6.31 for details).

TYPICAL APPLICATIONS

- Broadcast and production video studios.
- Postproduction and duplication studios.
- Non-linear editing.