



GROUP 6

SDI to Analog Converter

BC-7401

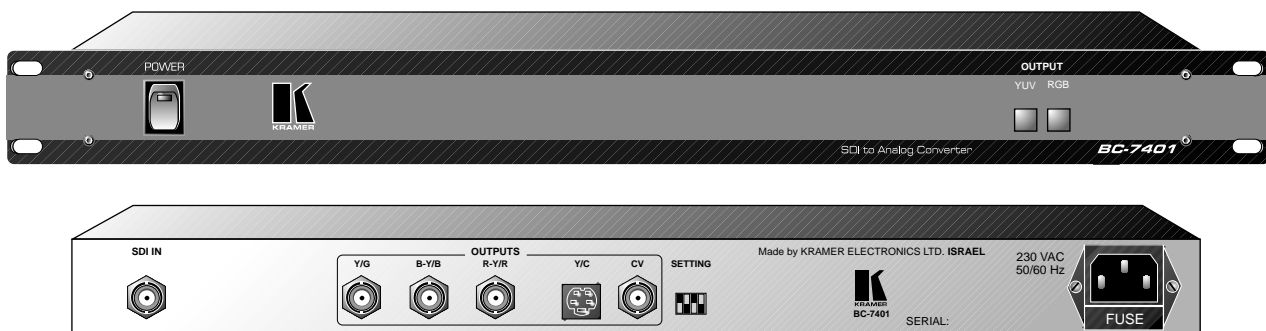
The Kramer **BC-7401** is a high-quality, adjustment-free, Multi-standard digital to analog converter for serial digital video (4:2:2).

It has an equalized, reclocking input and outputs for the popular analog video standards - composite, Y/C, and component (selectable RGB or Y, R-Y, B-Y). The machine also has an internal 75% color bar generator, whose timing is based on the SDI input.

The machine encodes 525 line signals to NTSC-M and 625 lines to PAL-B (for other standards, e.g. SECAM, PAL-M, and NTSC 4.43 - contact your dealer). When encoding NTSC, the machine may be programmed with or without a 7.5 IRE setup (pedestal).

Some features and applications:

- ❖ Conversion from a digital to an analog format.
- ❖ Monitoring of SDI signals in video broadcast studios.
- ❖ Interfacing SDI systems with existing analog equipment.



Technical Specifications:

INPUTS:	SMPTE - 259M, ITU-R BT.601 (CCIR-601) 75Ω on a BNC connector.
OUTPUTS:	1 Composite video - 1Vpp/75Ω on a BNC connector. 1 Y/C - 1Vpp/75Ω (Luma), 0.3Vpp/75Ω (Chroma) on 4P connector. 1 Component - RGB / Y, R-Y, B-Y (1V, 0.7V, 0.7V/75Ω) on BNC connectors.
EQUALIZATION:	Up to 40 dB @ 270Mb/s (> 375m for Belden 8281 cable).
RESOLUTION:	Input: 10-bit / 8-bit; D/A converters: CV, Y/C - 10-bit; component - 9-bit.
K-FACTOR:	0.4%.
S/N RATIO:	71dB (Unweighted) worst case.
DIFF. PHASE:	0.25 Deg.
DIFF GAIN:	0.33% (NTSC).
BANDWIDTH:	5MHz (Y, CV).
Y/C DELAY:	<10ns (CV).
SCH PHASE:	0.6° worst case.
DIMENSIONS:	19 inch, 1U rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz, (115 VAC, USA)