



FC-7402

SDI to Multi-Format Analog Video Format Converter & Processor



The FC-7402 is a format converter for SDI (SMPTE 259M) signals. It converts an SDI video signal to composite video, s-Video (Y/C), and RGB/component (RGsB or YUV) video.

FEATURES

- Bandwidth - 5.7MHz (-3dB).
- Multi-Standard - PAL (B/D/G/H/I/Combination-N), SECAM, NTSC (3.58/4.43).
- NTSC Decoding Options - With or without 7.5IRE setup (pedestal).
- ProcAmp Control - Brightness, contrast color (saturation), sharpness, and hue (NTSC Only).
- Color Space - RGB & YUV (selectable).
- Control - Front panel and RS-232 (Windows®-based software is included).
- Resolution - 10 bit.
- Non-Volatile Memory.
- Color Bar Generator - Built-in color bar generator with timing referenced to SDI Input.
- Looping SDI Input - Reclocked and equalized.
- Front Panel Lockout.
- Standard 19" Rack Mount Size - 1U.



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TECHNICAL SPECIFICATIONS

INPUT:	1 SDI, 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 (Y), 0.3Vpp/75Ω (C) on a 4-pin connector; 1 component video, RGB/Y, R-Y, B-Y (1V, 0.7V, 0.7V/75Ω) on BNC connectors; 1 SDI (relocked), SMPTE 259M, ITU-R BT.601 (CCIR-601), 75Ω on a BNC connector.
RESOLUTION:	10-bit.
BANDWIDTH (-3dB):	5.7MHz.
NON-LINEARITY:	+/-1.0%.
DIFF. GAIN:	0.11% (NTSC).
DIFF. PHASE:	0.33Deg (NTSC).
K-FACTOR:	0.3%.
S/N RATIO:	67dB unweighted.
Y/C DELAY:	<20ns.
EQUALIZATION:	>125m for Belden 8281 cable.
CONTROL:	RS-232 and front panel: brightness, contrast, color (saturation and separate U, V), hue, and sharpness; front panel lock.
POWER CONSUMPTION:	230V AC, 50/60Hz, (115V AC, USA) 13.8VA.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.6kg (5.7lbs) approx.
INCLUDED ACCESSORIES:	Power cord.

