

# FC-7402

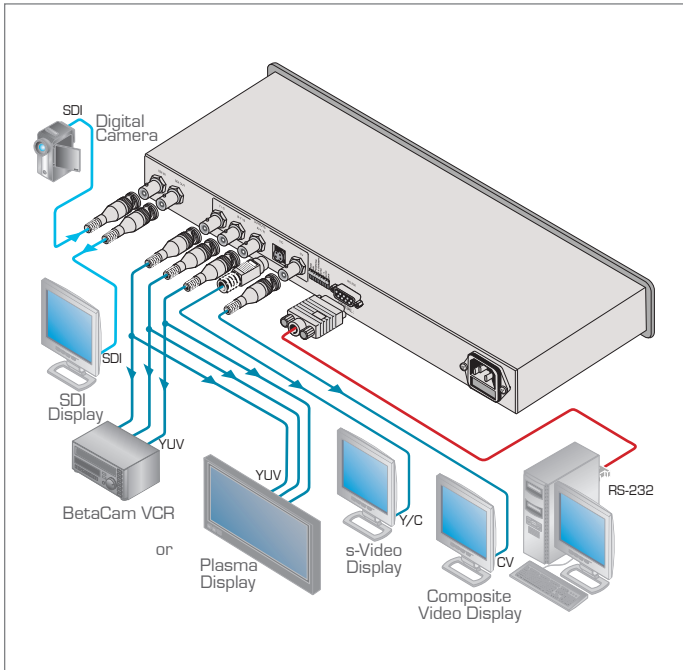
## SDI to Multi-Format Analog Video Format Converter & Processor



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 Input - Reclocked and equalized.
- Front Panel Lockout.
- Standard 19" Rack Mount Size - 1U.



### TECHNICAL SPECIFICATIONS

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

FORMAT & STANDARDS CONVERTERS

