



FC-7501

Multi-Standard Composite Video, s-Video & Component Video to SDI Format Converter



The FC-7501 is a format converter for composite video, s-Video or component video (YUV) signals. It converts either PAL, SECAM, and NTSC composite video, s-Video, or component (YUV) signals into 2 SDI (SMPTE 259) signals simultaneously.

FEATURES

- Bandwidth - 6MHz (-3dB).
- Dual SDI Outputs.
- Control - Front panel and RS-232 (Windows®-based software is included).
- ProcAmp Control - Contrast color (saturation) and hue (NTSC Only) via RS-232.
- Looping Input.
- Selectable Input Signal Termination.
- Non-volatile Memory.
- Desktop Size - Compact size. 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-1 adapter.



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TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video with loop, 1Vpp/75Ω (Y) on BNC connectors with a termination switch; 1 (B-Y) with loop, 0.7Vpp/75Ω on BNC connectors with a termination switch; 1 (R-Y)/C with loop, 0.7Vpp/0.3Vpp/75Ω on BNC connectors with a termination switch.
OUTPUTS:	2 SDI on BNC connectors.
VIDEO STANDARDS:	CV, Y/C: NTSC (M, Japan, 4.43), PAL (B, D, G, H, I, M, N, Nc) and SECAM (B, D, G, K, K1, L).
BANDWIDTH (-3dB):	6MHz.
RESOLUTION:	10 bits.
LUMINANCE NON-LINEARITY:	1% (worst case).
K-FACTOR:	0.1%.
S/N RATIO:	57dB (worst case).
CHROMA/LUMA DELAY:	<10ns.
SDI PIXEL JITTER:	<500ps (10Hz HPF) with PLL option board. <1ns (10kHz HPF) without PLL option board.
INPUT COUPLING:	DC or AC via internal jumpers.
POWER CONSUMPTION:	12V DC, 320mA.
DIMENSIONS:	22cm x 18cm x 4.5cm (8.7" x 7" x 1.7") W, D, H.
WEIGHT:	1.3kg (2.9lbs) approx.
ACCESSORIES:	Power supply, Windows®-based Kramer control software.
OPTIONS:	RK-1 19" rack adapter.

