



FC-4001

MultiCoder® Universal Analog & Digital Format Video Transcoder & TBC



The FC-4001 is a high-performance broadcast quality, universal video transcoder for analog and digital video signals. It converts a composite video, s-Video (Y/C), component video (RGB/S) or SDI video signal to either component or composite and s-Video (Y/C) video signals and to two SDI video signals.

FEATURES

- Bandwidth - -0.5dB to 5MHz .
- Decoding Options Based on Signal Standard - Decodes 525-line signals to NTSC 3.58 or NTSC 4.43 and 625 lines to PAL-B/M/N & SECAM.
- Looping Analog Sync Input.
- Freeze Frame.
- Control Options - Front panel, RS-232.
- Selectable Sync Signal Termination.
- Built-in Time Base Corrector - Stabilizes sync in video sources.
- Timing Controls - SCH phase & sync phase.
- Front Panel Lockout.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 1U. Rack "ears" included.



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TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video: 1 Vpp/75Ω on a BNC connector; 1 Y/C: 1 Vpp/75Ω (Y), 0.3Vpp/75Ω (C) on a 4-pin connector; 1 component: Y/R-Y/B-Y (1Vpp/0.7Vpp/0.7Vpp)/75Ω (or RGB/S) on BNC connectors; 1 SDI: SMPTE-259M, ITU-R BT.601 on a BNC connector; 1 SYNC (genlock): looped 75Ω/Hi-Z on BNC connectors.
OUTPUTS:	1 composite video on a BNC connector 1 Vpp/75Ω; 1 Y/C video on 2 BNC connectors: Y 1 Vpp/75Ω, and C 0.3Vpp/75Ω; 1 component or RGB/S video on BNC connectors 1Vpp/0.7Vpp/0.7Vpp/75Ω; 1 SYNC on a BNC connector; 2 SDI: SMPTE-259M, ITU-R BT.601 on BNC connectors.
VIDEO STANDARDS:	PAL-B/D/G/H/I/M/N, NTSC-3.58/4.43, SECAM.
DIGITAL RESOLUTION:	10 bits.
BANDWIDTH:	-0.5dB to 5MHz.
DIFF. GAIN:	1%.
DIFF. PHASE:	1Deg.
K-FACTOR:	1%.
S/N RATIO:	63dB.
LUMA NON-LINEARITY:	1%.
CHROMA/LUMA DELAY:	1ns.
CONTROLS:	Front-panel and RS-232; SCH phase, SYNC phase, H shift, freeze, panel lock.
POWER SOURCE:	230V AC, 50/60Hz (115V AC, USA), 14VA.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.6kg (5.7lbs) approx.
ACCESSORIES:	Power cord, null-modem adapter, rack "ears".

