



FC-4046

MultiCoder® Universal Analog Video Format Transcoder



The FC-4046 is a high-performance broadcast quality, universal video transcoder for analog video signals. It converts a composite video, s-Video (Y/C), or RGB/component video (YUV, RGsB, or RGSB) signal, to composite video, s-Video (Y/C) and RGB/component video (YUV, RGsB, or RGSB) signals simultaneously.

FEATURES

- Bandwidth (Y & CV) - 5.5MHz (-3dB).
- Control - Front panel and RS-232.
- Bidirectional Format Conversion - A composite video, s-Video, or component video input is simultaneously output as composite video, s-Video and component video.
- Multi-Standard - PAL, SECAM, NTSC 3.58/4.43 (selectable).
- Automatic Video Standards Recognition.
- Standards Conversion - Between PAL and SECAM or NTSC 3.58 and 4.43 of same field rates (50Hz or 60Hz).
- ProcAmp Control - Brightness, contrast, color (saturation) and hue (NTSC Only).
- Color Bar Generator.
- Front Panel Lockout.
- Non-volatile Memory.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 1U.



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TECHNICAL SPECIFICATIONS

INPUT:	1 composite video, 1Vpp/75Ω on BNC connector; 1 Y/C, 1Vpp/75Ω (Y), 0.3Vpp/75Ω (C) on 4-pin connector; 1 R/R-Y, G/Y, B/B-Y SYNC on BNC connectors.
OUTPUTS:	1 composite video, 1Vpp/75Ω on BNC connector; 1 Y/C, 1Vpp/75Ω (Y), 0.3Vpp/75Ω (C) on 4-pin connector; 1 R/R-Y, G/Y, B/B-Y SYNC on BNC connectors.
MAX. OUTPUT LEVEL:	1.4Vpp.
BANDWIDTH (-3dB):	5MHz.
DIFF. GAIN:	1%.
DIFF. PHASE:	0.7Deg.
K-FACTOR:	0.4%.
S/N RATIO:	66dB.
CONTROLS:	Input/output format selectors, hue, bright, contrast and saturation controls.
POWER CONSUMPTION:	100-240V AC, 50/60Hz, 15VA.
WEIGHT:	2.6kg (5.8lbs) approx.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack-mountable.
INCLUDED ACCESSORIES:	Power cord, null-modem adapter, Windows®-based control software.

