



FC-4046

**INTERFACES & SYNC
PROCESSORS**

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 RGBS) signal, to composite video, s-Video (Y/C) and RGB/component video (YUV, RGsB, or RGBS) signals simultaneously.

DESCRIPTION

- Bandwidth (Y & CV) - 5.5MHz (- 3dB).
- Control - Front panel and RS-232.
- Bi-directional 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).
- Proc-Amp Control - Brightness, contrast, color (saturation) and hue (NTSC Only).
- Color Bar Generator.
- Front Panel Lockout.
- Non-Volatile Memory.
- Standard 19" Rack Mount Size - 1U.
- Worldwide Power Supply - 90-264V AC.

SPECIFICATIONS

- INPUTS:** CV: 1Vpp/75Ω on BNC connector; YC: 1Vpp/75Ω (Y); 0.3Vpp/75Ω (C) on 4p connector; R/R-Y, G/Y, B/B-Y SYNC on BNC connectors.
- OUTPUTS:** CV: 1Vpp/75Ω on BNC connector; YC: 1Vpp/75Ω (Y); 0.3Vpp/75Ω (C) on 4p connector; R/R-Y, G/Y, B/B-Y, H, V on BNC connectors.
- MAX. OUTPUT LEVEL:** 1.4Vpp.
- BANDWIDTH (- 3DB):** 5MHz, Fully Loaded.
- DIFF. GAIN:** 1%.
- DIFF. PHASE:** 0.7 Deg.
- K-FACTOR:** 0.4%.
- S/N RATIO:** 66dB.
- CONTROLS:** Input/Output Format Selectors, hue, bright, contrast and saturation controls.
- POWER SOURCE:** 90-264 VAC, 50/60 Hz; 15VA.
- DIMENSIONS:** 19-inch (W), 7-inch (D) 1U (H) rack-mountable.
- WEIGHT:** 2.6kg. (5.8lbs.) approx.
- ACCESSORIES:** Power cord, Null modem adapter, Windows®-based control software.