



# Standards Converter / TBC

# FC-4000

The KRAMER FC-4000 is a high quality standards converter and time base corrector. It features onscreen graphic menus for efficient control. Converts between PAL B/M/N, NTSC 3.58, NTSC 4.43 and SECAM. The machine has two sets of inputs: two composite and two YC (s-Video) and the corresponding audio inputs. The machine has a built-in TBC (time base corrector) and a genlock input (for frame synchronization). The time base

correction has full proc-amp facilities. The FC-4000 has an AGC function built-in for processing even low quality, sub-standard signals. Provides three different video output formats - composite, YC and component video (Y, R-Y, B-Y), as well as an audio output. When no signal is available on the inputs, the machine generates a standard color bar. The FC-4000 is housed in a professional 19-inch, 1 U, rack mountable enclosure.

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INTERFACES AND SYNC PROCESSORS



## TECHNICAL SPECIFICATIONS

<b>INPUTS:</b>	2 composite video, 1 Vpp / 75 on BNCs. 2 YC (s-Video), 1 Vpp / 75 (Y), 0.3Vpp / 75 (C) on 4P connectors. 2 audio-stereo on RCAs, 1 Vpp / 10k. (When both composite and YC input exist, the YC input takes priority).
<b>OUTPUTS:</b>	1 composite video, 1 Vpp / 75 on a BNC. 1 YC (s-Video), 1 Vpp / 75 (Y), 0.3 Vpp / 75 (C) on a 4P connector. 1 component - (Y, R-Y, B-Y) 1V, 0.7V, 0.7 Vpp / 75 on BNCs. 1 audio-stereo on RCAs, 1 Vpp / 1k.
<b>VIDEO BANDWIDTH:</b>	Composite video: 3.5 MHz. -3 dB.
<b>AGC:</b>	Composite video and (Y) input 0.5 Volts to 2Volts with AGC acting on sync tip.
<b>INPUT FORMATS:</b>	PAL B/I/G/M/N, NTSC 3.58, NTSC 4.43 and SECAM.
<b>OUTPUT FORMATS:</b>	PAL B/I/G/M/N, NTSC 3.58, NTSC 4.43 and SECAM.
<b>CONTROLS:</b>	Continuous control of contrast, brightness, color saturation, Hue (NTSC only) H and V phase, input source selector switch, input / output standards selector switches, auto input switch.
<b>DIMENSIONS:</b>	19-inch (W), 7-inch (D), 1U (H).
<b>POWER SOURCE:</b>	230 VAC, 50/60 Hz. (115 VAC U.S.A.) 5 VA.
<b>WEIGHT:</b>	2.7 kg. (6 lbs.) approx.
<b>ACCESSORIES:</b>	Power cord.

## TYPICAL APPLICATIONS

- ☐ Studio standards conversion.
- ☐ Studio color correction.
- ☐ Time base correction, frame-store synchronization for production and duplication.