FC-4000
Standards Converter / TBC

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.

TECHNICAL SPECIFICATIONS

INPUTS:	2 composite video, 1Vpp/75Ω on BNC connectors.
	2 YC (s-Video), 1Vpp/75Ω (Y), 0.3Vpp/75Ω (C) on 4p connectors.
	2 audio stereo on RCA connectors, 1Vpp/10k.
	(When both composite and YC exist on an input, the YC input takes priority).
OUTPUTS:	1 composite video, 1Vpp/75Ω on a BNC connector.
	1 YC (s-Video), 1Vpp/75Ω (Y), 0.3Vpp/75Ω (C) on a 4p connector.
	1 component - (Y, R-Y, B-Y) 1V, 0.7V, 0.7Vpp/75Ω on BNC connectors.
	1 audio stereo on RCA connectors, 1Vpp/1k.
VIDEO BANDWIDTH (-3dB):	Composite video: 5 MHz.
AGC:	Composite video and (Y) input 0.5 Volts to 2 Volts with AGC acting on sync tip.
INPUT FORMATS:	PAL B/I/G/M/N, NTSC 3.58, NTSC 4.43 and SECAM.
OUTPUT FORMATS:	PAL B/I/G/M/N, NTSC 3.58, NTSC 4.43 and SECAM.
CONTROL:	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.
POWER SOURCE:	230 VAC, 50/60 Hz (115 VAC U.S.A.) 5 VA.
DIMENSIONS:	19-inch (W), 7-inch (D), 1U (H).
WEIGHT:	2.7 kg (6 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

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