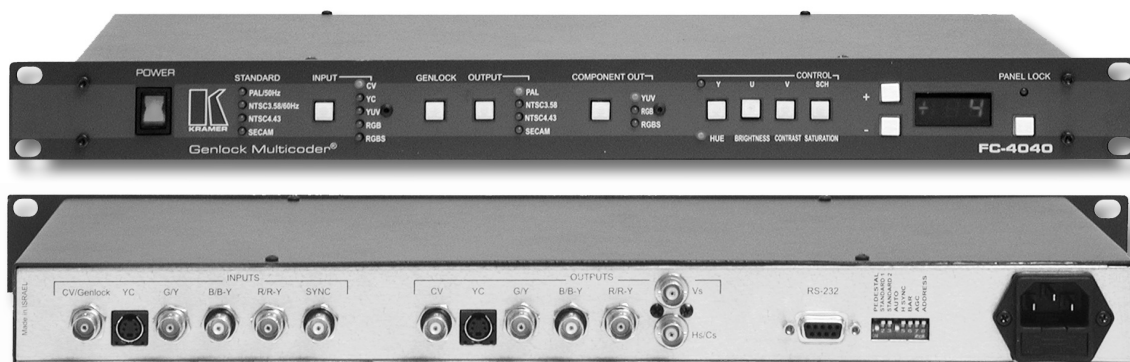


FC-4040 Multiformat Converter

GROUP 4



The Kramer **FC-4040** is a high quality, multi-standard converter designed to encode and / or decode a video signal and simultaneously output it in the most commonly used video formats. The unit accepts composite, s-Video (YC), component video inputs, and then codes it to all those formats. The component input may be RGSB, RGBS or Y/R-Y/B-Y, and the user may select the format of the component output. The **FC-4040** is a multi-standard device, automatically recognizing the incoming video standard, and the user selects the output standard. Standard conversion between PAL and SECAM is possible, as is conversion between NTSC3 and NTSC4. The color subcarrier of the composite and YC outputs may be genlocked to an external video source, or generated by highly accurate oscillators. The machine allows user-friendly adjustment of the video parameters, and the front-panel may be locked to prevent tampering with the adjustments and other settings. The unit may be controlled via RS-232, and its settings are stored in non-volatile memory on power down, and recalled when the machine is turned on again.



TECHNICAL SPECIFICATIONS

INPUTS:	CV/genlock: 1Vpp/75Ω on BNC connector; YC: 1Vpp/75Ω (Y); 0.3Vpp/75Ω (C) on 4p connector; component: RGB: 0.7 Vpp/75Ω on BNC connectors; composite sync: 0.3 Vpp/75Ω on a BNC connector; (R, R-Y, B-Y): 1V, 0.7V, 0.7 Vpp/75Ω on BNC connectors.
OUTPUTS:	CV: 1Vpp/75Ω on BNC connector; YC: 1Vpp/75Ω (Y); 0.3Vpp/75Ω (C) on 4p connector; component: RGB: 0.7 Vpp/75Ω on BNC connectors; H/V/composite sync: 5V unloaded, or 1Vpp/75Ω on BNC connector, (R, R-Y, B-Y): 1V, 0.7V, 0.7 Vpp/75Ω on BNC connectors.
BANDWIDTH (-3dB):	5.5 MHz. (Y, CV).
DIFF. GAIN:	0.33% NTSC.
DIFF. PHASE:	0.25 Deg.
SCH PHASE:	< 0.6 Deg.
K-FACTOR:	0.4%.
CONTROL:	Input, output standard and component format selection; genlock and panel lock enable; hue, brightness, contrast and saturation control - via front panel touch switches or RS-232.
Y/C DELAY:	< 20 nS.
POWER SOURCE:	230 VAC, 50/60 Hz., (115VAC, U.S.A.) 10 VA.
DIMENSIONS:	19 inch (W), 7inch (D), 1U (H) rack mountable.
WEIGHT:	2.6 kg. (5.8 lbs.) approx.

TYPICAL APPLICATIONS

- Video production, editing, and duplication studios.

