



MultiCoder® Universal Transcoder FC-4045

The Kramer MultiCoder® FC-4045 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 a composite, s-Video (YC), component or SDI video input, and then encodes/decodes it to all those formats. The component input may be RGB, RGBS or Y/R-Y/B-Y, and the user may select the format of the component output. The FC-4045 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 NTSC 3.58 and NTSC 4.43. The color subcarrier of the composite and YC outputs may be genlocked to an external video source, or one generated by the unit's highly accurate oscillators. The machine offers 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 current settings are stored in non-volatile memory upon power down, and recalled when the machine is turned on again.



TECHNICAL SPECIFICATIONS

INPUTS:	CV / genlock: 1Vpp / 75 on BNC connector; YC: 1Vpp / 75 (Y); 0.3Vpp / 75 (C) on 4P connector; component: RGB: 0.7 Vpp / 75 on BNC connectors; composite sync: 0.3 Vpp / 75 on a BNC connector; (R, R-Y, B-Y): 1V, 0.7V, 0.7 Vpp / 75 on BNC connectors; SDI: SMPTE-259M, ITU-R BT.601 serial video, 75 on a BNC connector.
OUTPUTS:	CV: 1Vpp / 75 on BNC connector; YC: 1Vpp / 75 (Y); 0.3Vpp / 75 (C) on 4P connector; component: RGB: 0.7 Vpp / 75 on BNC connectors; H / V / composite sync: 5V unloaded, or 1Vpp / 75 on BNC connector, (R, R-Y, B-Y): 1V, 0.7V, 0.7 Vpp / 75 on BNC connectors; SDI: SMPTE-259M, ITU-R BT.601 serial video, 75 on a BNC connector.
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.
DIFF. GAIN:	0.33% NTSC.
DIFF. PHASE:	0.25 Deg.
K-FACTOR:	<0.4%.
Y/C DELAY:	<20 nS.
BANDWIDTH:	>5.5 MHz. (Y, CV)
SCH PHASE:	<0.6 Deg.
DIMENSIONS:	19 inch (W), 7inch (D), 1U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz., (115VAC, U.S.A.) 10 VA.
WEIGHT:	2.6 kg. (5.8 lbs.) approx.

TYPICAL APPLICATIONS

- Video production, editing, and duplication studios.