



KRAMER ELECTRONICS, LTD

GROUP 4

RGBS/Component to Video Encoder

FC-4041C

The Kramer FC-4041C is a high quality format converter designed to encode RGBS, RGsB, or Y, R-Y, B-Y component signals into composite video and s-Video. Each input has a loop-through connector and termination switch, allowing for parallel connection to other receiving devices. Front panel buttons are provided to select the incoming signal format and sync

format. The outputs are DC coupled and black-level clamped. Note that the FC-4041C does not perform any scan rate conversion, and is not designed to receive high frequency computer-video signals.

The FC-4041C is rugged, dependable, and is housed in a professional 19" rack mountable enclosure requiring one vertical space.



TECHNICAL SPECIFICATIONS

INPUTS:	Red (or R-Y), green (or Y), blue (or B-Y) - 0.7 Vpp / 75 and sync - 0.3 Vpp / 75 looping, on BNCs with termination switches.
OUTPUTS:	1Vpp / 75 composite video on a BNC connector; 1Vpp / 75 luma (Y), 0.3Vpp / 75 chroma (C) on a 4P connector.
CONTROL:	Sync / sync on green; input selector - RGBS or Y, R-Y, B-Y.
DIFF. GAIN:	0.24%.
DIFF. PHASE:	0.26 Deg.
VIDEO BANDWIDTH:	12MHz. -3 dB(Y).
NON LINEARITY:	Less than 0.5 dB.
DC CLAMP:	0 VDC (black level).
RESIDUAL SC:	-34 dB.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz., (115VAC, U.S.A.) 6 VA.
WEIGHT:	2.6 kg. (5.8 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

- Video production, editing, and duplication studios.
- Professional display systems requiring format change for compatibility with switching/routing systems or display devices.
- Operates as a high quality black burst generator when no input is connected.