



RGB - Component Transcoder

FC-4042

The Kramer FC-4042 is a high quality format converter designed to transcode between the two most widely used professional video signal formats, RGBS and Y, R-Y, B-Y. The unit has two completely separate channels, which can operate simultaneously. The first converts Y, R-Y, B-Y to RGBS, and the second works in the opposite

direction to convert RGBS to Y, R-Y, B-Y. Front panel buttons assign the sync format as RGBS or RGsB for each channel. Outputs are DC coupled.

The FC-4042 is rugged, dependable, and is housed in a professional 19" rack mountable enclosure requiring one vertical space.



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INTERFACES AND SYNC PROCESSORS

TECHNICAL SPECIFICATIONS

INPUTS:	1 component video - (Y, R-Y, B-Y) 1V, 0.7V, 0.7 Vpp / 75 Ω on BNCs. 1 RGBS: 0.7Vpp / 75 Ω , for 100% saturation, on BNCs.
OUTPUTS:	1 component - (Y, R-Y, B-Y) 1V, 0.7V, 0.7 Vpp / 75 Ω on BNCs. 1 RGB: 0.7 Vpp / 75 Ω , for 100% saturation, on BNCs. Sync output - 2 Vpp / 75 Ω , 4 Vpp unloaded (TTL), on BNCs.
CONTROL:	Switch selection between sync / sync-on-green of RGB signals (front panel).
VIDEO BANDWIDTH:	50 MHz. -3dB.
K-FACTOR:	0.4%.
NON LINEARITY:	Less than 0.2%.
MAX. SIGNAL OUTPUT:	2Vpp / 75 Ω .
Y S/N RATIO:	Better than 71 dB.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz. (115VAC in the U.S.A.) 7.6 VA.
WEIGHT:	2.6 kg. (5.8 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

- Video production, editing, and duplication studios.
- Rental and staging.

- Professional display systems requiring format change for compatibility with switching/ routing systems or display devices.