

FC-4042

RGB - Component Transcoder

GROUP 4



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.



TECHNICAL SPECIFICATIONS

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

4.13

