



## 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.



### TECHNICAL SPECIFICATIONS

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