



CV/s - Video-Component Transcoder

FC - 4043

The Kramer FC-4043 is a high quality format converter designed to transcode between composite or s-Video, and component video (Y, R-Y, B-Y) bi-directionally. The unit has two completely separate channels, which can operate simultaneously. The first is a decoder, which converts composite or s-Video signals to component video, and the second is an encoder, which converts component video to composite and s-Video. The FC-4043 is a multi-standard device, which

automatically recognizes the incoming standard, and allows the user to set the output standard. The decoding operation is microprocessor controlled via the internal I²C bus, and allows standard conversion between PAL and SECAM.

It is rugged, dependable, and is housed in a professional 19" rackmountable enclosure requiring one vertical space.



TECHNICAL SPECIFICATIONS

INPUTS:	Decoder: 1 composite video - 1 Vpp / 75 ; 1 YC: 1Vpp / 75 (luma), 0.3 Vpp / 75 (chroma) on 4P type connector. Encoder: 1 component - (Y, R-Y, B-Y) 1V, 0.7V, 0.7 Vpp / 75 .
OUTPUTS:	Decoder: 1 component - (Y, R-Y, B-Y) 1V, 0.7V, 0.7 Vpp / 75 . Encoder: composite video - 1Vpp / 75 , s-Video - 1 Vpp / 75 (luma), 0.3 Vpp / 75 (chroma).
CONTROL:	Standard selection (encoder), composite / YC selection (decoder), HUE control (NTSC only), all via front touch switches.
DC CLAMP ERROR:	+ / - 20 mV.
DIFF. GAIN:	0.21%.
DIFF. PHASE:	0.19 Deg.
RESIDUAL SC:	Composite to Y=30 mV, YC to Y = 15 mV.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz., (115VAC, U.S.A.) 19.5 VA.
WEIGHT:	2.6 kg. (5.8 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

- Professional display systems requiring format change for compatibility with switching / routing systems or display devices.
- Rental and staging.
- Video production, editing, and duplication studios.