



KRAMER ELECTRONICS, LTD

GROUP 4

Composite / s-Video / Comb Filter Transcoder

FC-10D

The Kramer FC-10D is a format converter designed to interface between composite video and s-Video (YC). The decoding from composite to YC is done digitally using an adaptive comb filter and DSP techniques to minimize dot-crawl and cross-color. A built-in vertical enhancer circuit reduces noise and dot-crawl on the Y signal. Encoding (s-Video to composite) is also provided,

allowing simultaneous bi-directional operation.

The FC-10D is a compact desktop size unit but two can be installed in a standard 19" rack using the RK-50RN rack mount kit. A 12-volt power supply is included for typical use but the optional, rack mountable VA-50P can power up to six Kramer devices requiring 12VDC.



TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video, 1 Vpp / 75 on a BNC connector. 1 s-Video:Y:1 Vpp / 75 , C: 0.3 Vpp / 75 on a 4P connector.
OUTPUTS:	1 composite video, 1 Vpp / 75 on a BNC connector. 1 s-Video:Y: 1 Vpp / 75 ; C: 0.3 Vpp / 75 on a 4P connector.
CONTROL:	Two electronic touch switches to select PAL or NTSC operation.
VIDEO BANDWIDTH:	100 MHz. -3 dB (YC to CV), 5.8 MHz. (CV to YC, PAL).
DIFF. PHASE:	0.15 Deg. (YC to CV, NTSC).
DIFF. GAIN:	0.7% (YC to CV, NTSC).
LUMA S/N RATIO:	> 72 dB in both directions, (PAL).
K-FACTOR:	<0.05% (YC to CV), <0.5% (CV to YC, NTSC).
DIMENSIONS:	16.5cm x 12cm x 4.5cm (6.5" x 4.7" x 1.8"), W, D, H.
POWER SOURCE:	12 V DC, 200 mA.
WEIGHT:	0.64 kg. (1.4 lbs.) approx.
ACCESSORIES:	12 VDC power supply.
OPTIONS:	19" rack adapter RK-50RN (see page 6.23 for details).

TYPICAL APPLICATIONS

- Switching systems requiring a common signal format.
- Teleconference systems.
- Presentation rooms.