



KRAMER ELECTRONICS, Ltd.

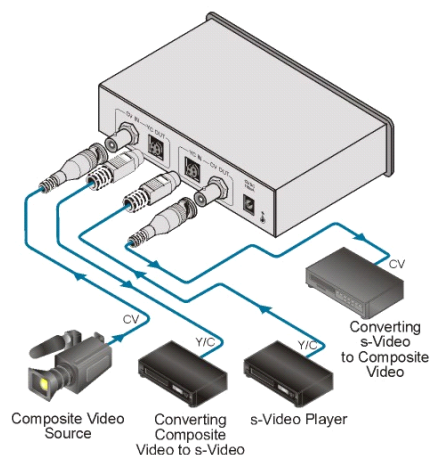
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FC-10D

Composite Video & s-Video Transcoder with Digital Comb Filter



The **FC-10D** is a high-performance bidirectional transcoder for composite and s-Video (Y/C) signals. The unit simultaneously converts a composite video input to an s-Video output through a digital comb filter, and an s-Video (Y/C) input to a composite video output.





FC-10D

FEATURES

- **Bandwidth (Y)** - 100MHz (-3dB) s-Video to composite video and 5.8MHz (-3dB) composite video to s-Video.
- **Digital Comb Filter** - Converting composite to s-Video is done digitally utilizing an adaptive comb filter and DSP techniques to minimize dot-crawl and cross color artifacts.
- **Vertical Enhancement Circuitry** - Reduces noise and dot crawl on the Y signal.
- **Formats** - PAL or NTSC (selectable).
- **Bidirectional Format Conversion** - Simultaneous composite to s-Video and s-Video to composite format conversion.
- **Desktop Size** - Compact size. Two units can be rack mounted side-by-side in a 1U rack space with the RK-1 adapter.

TECHNICAL SPECIFICATIONS

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