



COMPOSITE VIDEO & S-VIDEO TRANSCODER WITH DIGITAL COMB FILTER



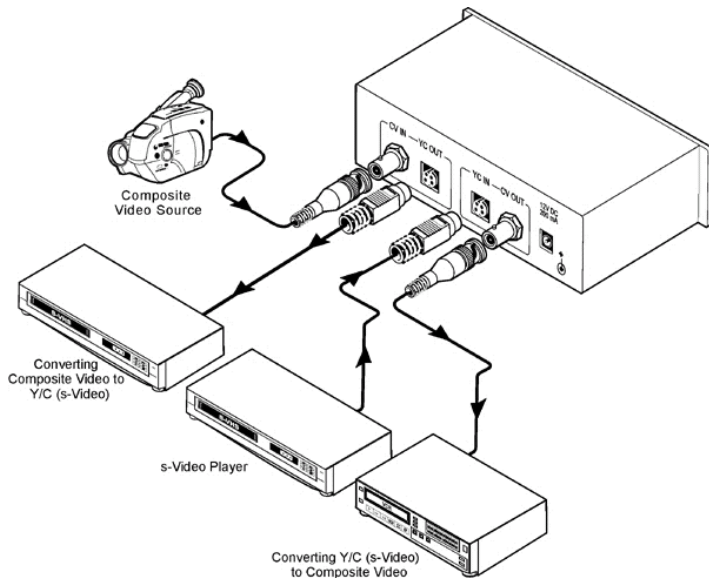
DESCRIPTION

The FC-10D is a high performance bi-directional transcoder for composite and s-Video (Y/C) signals. It simultaneously converts a composite video input to an s-Video output, and an s-Video input to a composite video output.

- 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).
- Bi-directional - 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 optional RK-50RN adapter.

SPECIFICATIONS

INPUTS:	1 composite video 1Vpp/75Ω on a BNC connector. 1 s-Video: Luma: 1Vpp/75Ω, Chroma: 0.3Vpp/75Ω on a 4p connector.
OUTPUTS:	1 s-Video: Luma: 1Vpp/75Ω; Chroma: 0.3Vpp/75Ω on a 4p connector. 1 composite video 1Vpp/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°. (YC to CV, NTSC).
K-FACTOR:	0.05% (YC to CV), 0.5% (CV to YC, NTSC).
LUMA S/N RATIO:	72dB in both direction, (PAL).
CONTROL:	Two electronic touch switches to select PAL or NTSC operation.
POWER SOURCE:	12 VDC, 200 mA.
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:	12VDC power supply.
OPTIONS:	RK-50RN 19" rack adapter.



FC-10D