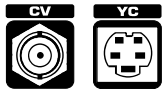


FC-10D

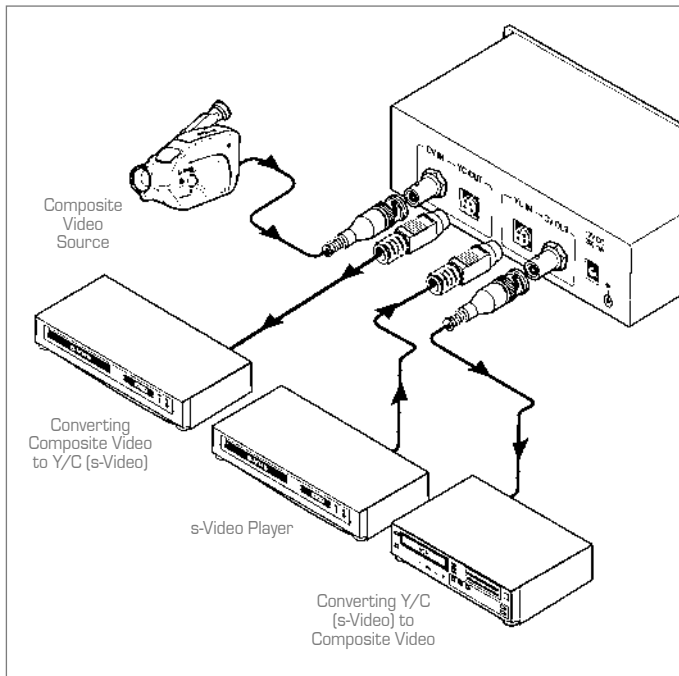
Composite Video & s-Video Transcoder with Digital Comb Filter



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 through a digital comb filter, and an s-Video (Y/C) input to a composite video output.

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).
- **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-5ORN adapter.



TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video 1Vpp/75Ω on a BNC connector. 1 s-Video: Luma: 1Vpp/75Ω Chroma: 0.3 Vpp/75Ω on a 4p connector.
OUTPUTS:	1 s-Video: Luma: 1Vpp/75Ω; Chroma: 0.3Vpp/75Ω on a 4p connector. 1 composite video 1 Vpp/75Ω on a BNC connector.
VIDEO BANDWIDTH (-3dB):	100MHz (YC to CV), 5.8MHz. (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:	72dB in both directions, (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:	12VDC power supply.
OPTIONS:	RK-5ORN 19" rack adapter.

