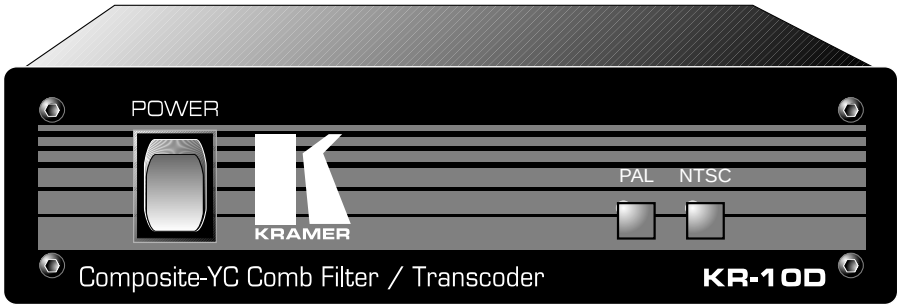
GROUP 4

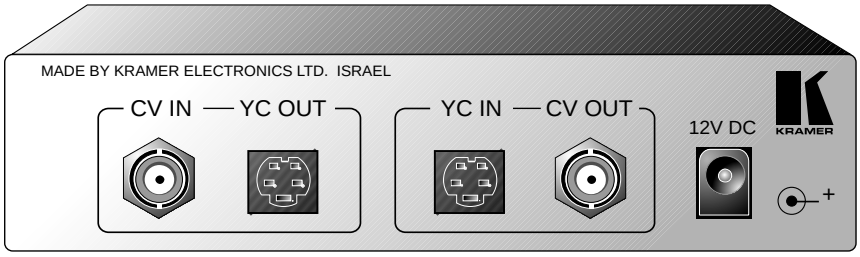
Composite-Y/C Comb Filter/Transcoder KR-10D

The KRAMER **KR-10D** *Composite-YC Comb Filter / Transcoder* was designed to interface between the two popular video formats - Composite Video and YC (Super-Video). The decoding from composite to Y/C 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. In addition, the **KR-10D** provides an independent Y/C to Composite route, for simultaneous bi-directional operation. The Kramer **KR-10D** is very small in size, and is fed from an external 12V DC supply - ideal for fieldwork.

Some features and applications:

- Simultaneous bi-directional operation - from Composite to YC and from YC to Composite.
- Operates in PAL and NTSC.





Technical Specifications:

INPUTS:	1 Composite Video, 1Vpp/75 Ω on a BNC connector.
	1 Super-Video: Luma: 1Vpp/75 Ω, Chroma: 0.3 Vpp/75 Ω.
OUTPUTS:	1 Super-Video: Luma: 1Vpp/75 Ω; Chroma: 0.3Vpp/75 Ω.
	1 Composite Video, 1 Vpp/75 Ω on a BNC connector.
CONTROLS:	Two electronic touch switches to select PAL or NTSC operation.
VIDEO BANDWIDTH:	100 MHz -3dB (Y/C to CV), >5.8 MHz (CV to Y/C, PAL).
DIFF. PHASE:	0.15 Deg (Y/C to CV, NTSC).
DIFF. GAIN:	0.7% (Y/C to CV, NTSC).
LUMA S/N RATIO:	>72 dB in both directions, (PAL).
K-FACTOR:	<0.1% (Y/C to CV), <0.5% (CV to Y/C, NTSC).
DIMENSIONS:	16.5cmX12cmX4.5cm (W, D, H.)
POWER SOURCE:	12V DC, 200mA.