

SP-40

Video Audio Processor

| GROUP 3 |



The Kramer **SP-40** is a high quality processor for video signals. It is designed to accept a composite or s-Video (YC) signal and give the user full control over black level, color, contrast and definition. It has one composite video input and output, one s-Video input and output, as well as corresponding I/O's for stereo audio. The **SP-40** has internal transcoding which allows the selected input signal to be present on both the composite and s-Video outputs simultaneously. The **SP-40** has DC coupled video inputs and outputs, and a unique audio mix control which allows an auxiliary audio input to be mixed in with the selected source. The screen splitter allows the user to view the original and processed image on one monitor.



TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video, 1Vpp/75 Ω on a BNC connector, 1 YC - 1Vpp/75 Ω (Y) 0.3V/75 Ω (C), on a 4p connector. 2 stereo audio, 1Vpp/50 k Ω , 1 AUX stereo audio input, 1Vpp/50 k Ω on RCA connectors.
OUTPUTS:	1 composite video, 1Vpp/75 Ω on a BNC connector, 1 YC -1Vpp/75 Ω (Y), 0.3V/75 Ω (C) on a 4p connector. 2 stereo audio, 1Vpp/100 Ω on RCA connectors.
DIFF. GAIN:	0.7%.
DIFF. PHASE:	0.23 Deg.
VIDEO COUPLING:	DC clamped outputs.
Y BANDWIDTH:	65 MHz.
CONTROLS:	Video gain (Fade to + 6dB), contrast, definition, color saturation (- 30dB to + 6dB) black level (- 0.3V to + 0.7V), Limiter switch, screen splitter (process to bypass) audio mix - full crossfade between source and Aux.
DIMENSIONS:	30 cm x 16.3 cm x 4.3 cm (11.8" x 6.4" x 1.7", W, D, H).
POWER SOURCE:	230 VAC, 50/60 Hz, (115VAC, U.S.A.) 11.5 VA.
WEIGHT:	1.9 kg. (4.2 lbs.) approx.
ACCESSORIES:	Power cord.
OPTIONS:	RK-40, 19" rack adapter

TYPICAL APPLICATIONS

- Video control and correction in duplication and production studios.
- Camera control, luminance and white balance correction.
- Image enhancement in medical, industrial and military applications.
- Composite to YC switching and bi-directional transcoding.

3.3

