

Video-Audio Processors

Kramer Electronics has a line of Video-Audio Processors for image and sound enhancement in production and duplication studios, as well as for any other demanding application. The processors operate in a wide range of formats - Composite video, Y/C, Component Video (Y, R-Y, B-Y) or Audio, and feature a variety of processing options:

Luminance Processing.

Luminance processing alters the luminance aspect of the video signal (the black and white contents). The processors offer Video Gain, Contrast and Luminance-Definition controls. By carefully adjusting the controls, the optimal luminance signal quality is obtained.

Chrominance Processing.

Chrominance processing alters the color aspect of the video signal. The processors offer Color Saturation control, as well as Red, Green and Blue level control. The video Component processor offers R-Y and B-Y level controls as well.

Black Level Control.

The processors offer Black level control, which effects the appearance and richness of the video image. Carefully adjusting the BLACK level results in a rich, well saturated and defined image, as well as allowing a host of creative special effects.

Screen Splitter.

A built-in Screen Splitter allows for accurate comparison, in real-time of the processed image to the non-processed image, allowing for precise picture fine-tuning.

Other Video Processing Options.

The Processors offer additional processing options: Video Limiting - for elimination of image over-saturation and brightness, and therefore elimination of image *burning*; Linear or Logarithmic luminance enhancement for optimal noise limitation; multiple-input switching; function as a DA and more.

Audio Processing.

Machines in this family offer Audio control and Processing: Audio switching and source selection, Audio (line and Mic) mixing and amplification, remote audio monitoring and audio noise limiting.

Applications:

- ❖ Live Broadcast and studio signal enhancement and correction.
- ❖ Video production and duplication studios for image quality control.
- ❖ Medical, military and industrial image enhancement.
- ❖ Special Effects generation.
- ❖ Multimedia image enhancement for editing and video capture.
- ❖ Image enhancement for security applications.

GROUP 3

Industrial and Broadcast Level Video and Audio Processors:

MODEL	INPUTS	OUTPUTS	COLOR CONTROL	REMARKS
SV-40	1x CV, 1 x Y/C, 3 x Audio	1 x CV, 1 x Y/C, 2 x Audio	Saturation	A Video processor with screen splitter, clipper and audio mixer, compact size.
VS-11E4	2 x CV, 2 x Y/C, 4 x Audio	2 x CV, 2 x Y/C, 4 x Audio	RGB + Saturation	An industrial Video processor with screen splitter, Color Corrector in a 19-inch rack mount enclosure.
BC-3001	YUV	3 x YUV	U,V	A Component Video processor-DA with screen splitter, in a 19-inch rack mount enclosure.
VM-15	4 x Mic or Line	2 Mixed (one remote) + Phones	N/A	A 4 input balanced audio mixer for Mic and Line levels with gain controls, phantom power and headphone monitor output.