



# KP500 KEY PROCESSOR

The KP500 accepts RGB from a camera or graphics source, and develops a linear key signal, which faithfully represents the color difference contained in the scene. This key signal, when fed to a linear video keyer, such as the BVS **MASTERKEY** series, will produce an extremely smooth RGB chroma key, free of tearing and edge effects. By adjustment of the Gain and Slope controls on the Masterkey, it is possible to key transparent objects and retain lifelike shadows. The KP500 is housed in a 1RU chassis, complete with power supply. The digitally operated hue control, for selecting keying color, is located behind the front panel.

## SPECIFICATIONS

### Inputs

RGB - 700mV or 1Vp-p comp or non-comp  
Ref - 24Vp-p sync or 700mV black burst  
(all 75 ohm looping, BNC connectors)

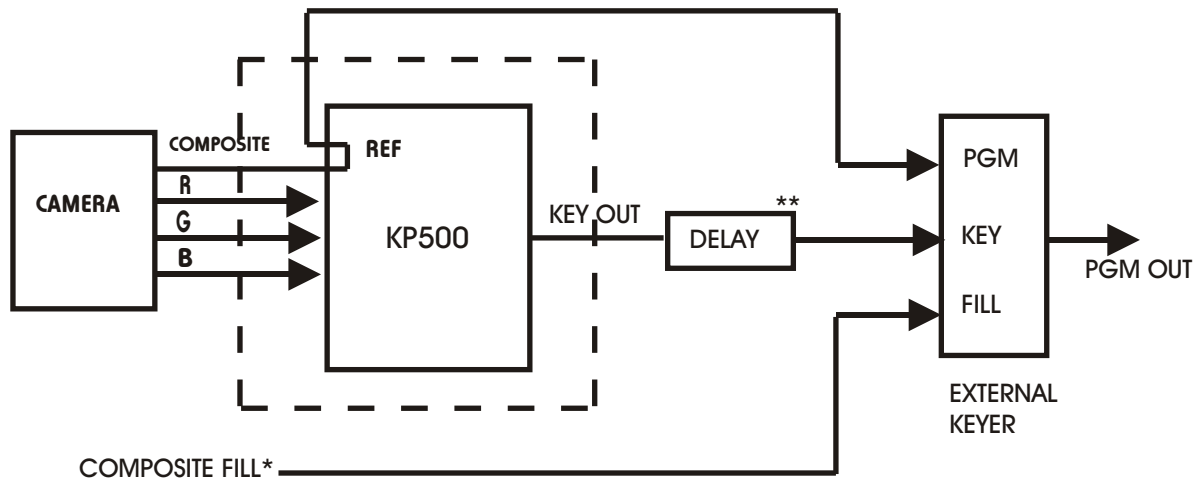
### Outputs

Linear Key Signal - 1Vp-p into 75 ohms  
Freq. Response - 0.1 dB to 10MHz  
Linearity - 1%  
Insertion Delay - 26ns

Power: 120/240VAC, 5VA

Mechanical: 19" x 12" x 1.75"

## KP500 FUNCTIONAL DIAGRAM



\*Camera and fill signals must be synchronous and phased.

\*\*Delay line may be required to match timing of key and pgm.

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