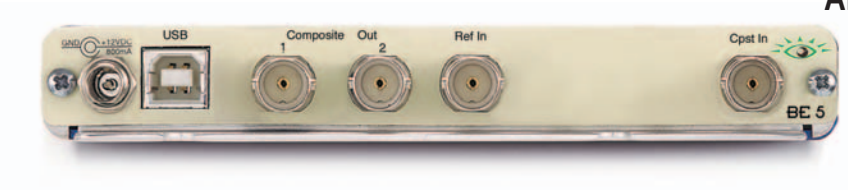
BrightEye 5

Analog Composite TBC and Frame Sync



- Use with VCR's, cameras, satellite receivers
- Analog Video Inputs and Outputs
- TBC and Frame Sync
- 12 bit processing

BrightEye 5 is a Time Base Corrector with analog composite inputs and outputs. 12 bit digital signal processing ensures the best signal processing and a solid output. BrightEye 5 will time base correct signals from analog sources such as consumer VCRs, cameras and noisy microwave receivers.

The analog input is converted at 12 bits of resolution for digital processing. The signal is time base corrected and frame synchronized to the reference input and converted back to analog for output. BrightEye 5 auto detects the video standard of the input (PAL or NTSC).

Basic controls are provided on the front panel. With BrightEye PC, you can control video proc functions; Gain, Chroma, Pedestal, and Hue. The vertical interval can be passed or blanked.

Specifications

Analog Video Input

Number One	Type NTSC, PAL Composite
Impedance	75 Ω, BNC
Return Loss	>40 dB, DC to 5.5Mhz
Input DC	+/-1 volt DC
Input Hum	<100 mV

Reference Input

Number	One
Type	1 V p-p Composite Video, PAL or NTSC
Impedance	75 Ω, BNC
Return Loss	>40 dB

Performance

Freq Response	±0.1 dB , 0 to 5.5 MHz
K Factors	<1%
ScH Phase Error	<±2°
Differential Phase	<1°
Differential Gain	<1%
Signal to Noise	>65 dB
Timing Window	Infinite (with respect to reference) Output ScH Phase matches reference
Timing Resolution	Adjustable to within 1° of subcarrier

Analog Video Output

Number	Two
Type	Composite PAL or NTSC (follows input)
Return Loss	>40 dB
Output DC	< 100 mV

General Specifications

Size	5.625" W x 0.8 " H x 5.5" D (143 mm x 20 mm x 140 mm) including connectors
Power	12 volts, 7 watts (100-230 VAC modular power supply provided)
Temperature Range	0 to 40° C ambient
Relative Humidity	0 to 95° noncondensing

ENSEMBLE DESIGNS