

# BrightEye 40

## SD SDI Reclocking Distribution Amplifier

BrightEye 40 is a reclocking serial digital video distribution amplifier with four outputs. The SD SDI input will automatically equalize up to 300 meters (1000 feet) of digital cable. Following equalization, the 270 Mb/s SD SDI input signal is reclocked before being delivered to four simultaneous SD SDI outputs.

When using an analog to digital video converter and multiple outputs are needed, BrightEye 40 can be used to distribute and provide those additional output signals. BrightEye 40 works well with video converters BrightEye 3 and BrightEye 25. BrightEye 40 is also useful in conjunction with the BrightEye 54 sync pulse generator and test signal generator for distributing digital test signals.

This is a simple device with no USB port and no interface to BrightEye Mac or PC software. Front panel indicators show the presence of an input signal and power.

### Features

- Use with converters and SPGs in order to have more outputs
- DA for SD SDI
- Passes embedded audio



# BrightEye 40

## SD SDI Reclocking Distribution Amplifier

### Serial Input

Number	One
Signal Type	270 Mb/s SD Serial Digital SMPTE 259M
Impedance	75 $\Omega$
Return Loss	>15dB
Max Cable Length	300 meters

### Serial Output

Number	Four
Signal Type	Serial Digital SMPTE 259M
Impedance	75 $\Omega$
Return Loss	>15 dB
Output DC	None (AC coupled)

### General Specifications

Size	5.63" W x 0.8" H x 5.98" D (143 mm x 21 mm x 152 mm) including connectors and flange
Weight	14 oz
Power	12 volts, 3 watts (100-230 VAC modular power supply)
Temperature Range	0 to 40° C ambient (all specs met)
Relative Humidity	0 to 95° non-condensing
Altitude	0 to 10,000 ft.

