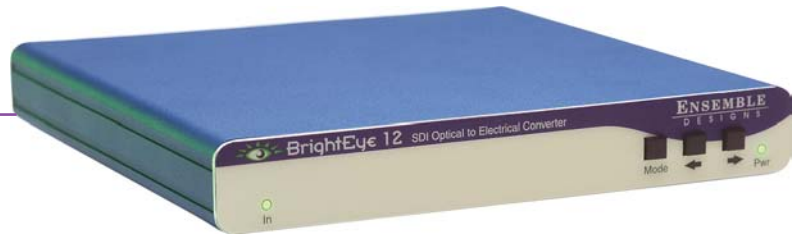


# BrightEye 12

## Optical to SDI Electrical Converter

An optical signal can be converted to electrical SDI video with BrightEye 12. The optical input is received by a photodiode and converted to an electrical waveform. This signal is equalized and reclocked to provide a SMPTE 259M compliant SDI output. An input status indicator shows whether a proper optical signal is detected at the converter input. BrightEye 12 can be used with DVB-ASI signals.



- ▶ Optical/DVB-ASI Input
- ▶ SDI Output
- ▶ Optical to Electrical Converter

### ► Specifications

#### Optical Input

Type	SMPTE 297M (optical equivalent of 259M)
Wavelength	1310 nm
Receiver sensitivity	-18 dBm
Maximum length	20km

Fiber Type	Multi or Single Mode
Connector	SC

#### Serial Digital Output

Type	SMPTE 259M
Impedance	75 Ω BNC
Return Loss	>15 dB
Output DC	<50 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