



BrightEye 4

SDI Electrical to Optical Converter



BrightEye 4 is an electrical to optical converter with SDI input and fiber optic output. The SDI video input is reclocked and then converted to optical form with a laser diode output. The optical SC connector is built-in, and BrightEye 4 can be used with both multi and single mode fiber.

Optical output power is automatically monitored and the front panel laser indicator shows green for proper operation, and red for laser failure. Input status indication is also provided. BrightEye 4 also supports the DVB-ASI transmission standard.

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

▶ Specifications

Serial Digital Input

Signal Type	SMPTE 259M
Impedance	75 Ω, BNC
Return Loss	>15 dB
Max Cable Length	300 meters

Optical Output

Type	SMPTE 297M (optical equivalent of 259M)
Wavelength	1310 nm
Power	-7 dBm
Maximum length	20km
Fiber Type	Multi or Single Mode
Connector	SC

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