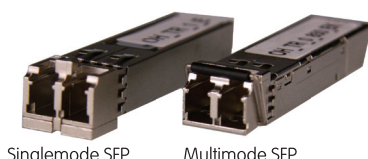


3Gbit Fiber Optic / SDI Transceiver

- Supports SDI video up to 3Gbit/s (1080p60)
- Optical receiver and transmitter in single package
- Error free optical connections
- Singlemode and Multimode versions
- Up to 10km (6.2 miles) @ 3Gbit/s (singlemode)
- Up to 300m (984 feet) @ 3Gbit/s (multimode)
- Duplex LC optical connection



Using the same basic module we provide two versions suitable for singlemode or multimode fiber. Each version has a different SFP installed.

The OTR 1810 is a Fiber Optic to SDI transmitter and receiver combined in a compact self contained package. It is a convenient and cost effective solution to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

Each OTR 1810 transceiver has an independent transmitter and receiver channel, which provides an effective solution for any SDI signal up to 1080p60 (3Gbit/s) while preserving full uncompressed quality.

The OTR 1810 will auto-detect any connected video signal from 270Mbit/s to 3Gbit/s according to SMPTE 424M, SMPTE 292M and SMPTE 259M standards, as well as DVB-ASI.



Technical Specifications

SDI Video	1 x SDI video input 1 x SDI Video output 75 Ohm BNC connectors
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 3Gbit/s
	Multi-rate reclocking 270Mbit/s - 1.48Gbit/s - 3Gbit/s
Fiber Optic	Return Loss: > 15dB to 1.5GHz and > 10dB up to 3GHz
	Automatic cable EQ (Belden 1694A cable) 250m @ 270Mbit/s, 140m @ 1.5Gbit/s, 80m @ 3Gbit/s
	Singlemode Version: OTR 1810 Transmitter: 1310nm (-5dBm) Receiver: 1260nm to 1620nm (-3dBm to -19dBm) Max. distance 10km (6.2 miles) @ 3Gbit/s
	Multimode Version: OTR 1810 MM Transmitter: 850nm (-5dBm) Receiver: 750nm to 880nm (0dBm to -15dBm) Max. distance 300m (984 feet) @ 3Gbit/s
Power	TX active LED, and RX active on side of module
	+12VDC power supply (included) Supports external power input from 9 - 14 VDC Power LED on side of module Power Consumption 1.6W
	Size 105mm x 40mm x 22mm (4.13" x 1.57" x 0.86")
	Model # OTR 1810 (Singlemode) OTR 1810 MM (Multimode)
Includes	Module, 12V DC power supply and plastic transport case

Specifications subject to change