

3Gbit Bidirectional SDI/Fiber Transceiver

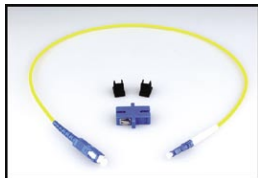
- Supports SDI video up to 3Gbit/s (1080p60)
- Bidirectional send and receive on single fiber
- Error free optical connections
- Up to 10Km (6.2 miles) @ 3Gbit/s
- Simplex LC/PC single mode optical connection
- Supports hot swapping and hot plugging

The OBD 1810 is a bidirectional Fiber Optic to SDI transmitter and receiver which uses a single fiber link supplied 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.

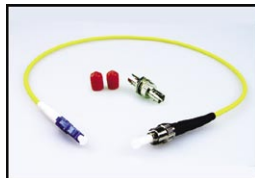
The OBD 1810 modules are sold in pairs, one Type A and one Type B which work together. Each module has an SDI in and SDI out connection and uses a single fiber link between the two.

The OBD 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.

Options



Model# **LC/SC SIM**
LC/PC to SC/PC Adapter



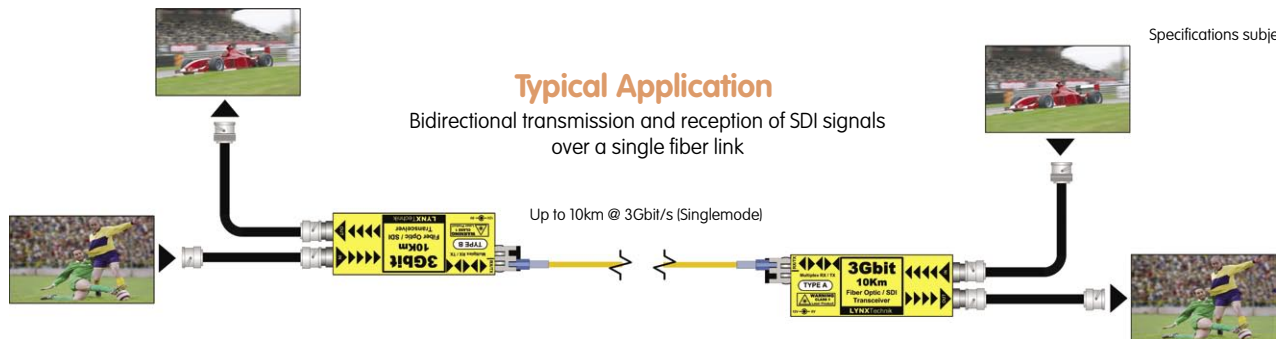
Model# **LC/ST SIM**
LC/PC to ST/PC Adapter

These adapters allows the use of ST or SC fiber connections to the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.



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 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
Fiber Optic	1 x Bidirectional fiber connection (LC/PC Connection) SMPTE 297M - 2006 1310nm and 1550nm (WDM) 14dB Optical Budget TX and RX active LEDs on side of module Max. distance 10km (6.2 miles) @ 3Gbit/s (single mode)
Power	+12VDC power supply (included) Power LED on side of module
Size	105mm x 40mm x 22mm (4.13" x 1.57" x 0.86") Each
Model #	OBD 1810
Includes	2 x OBD 1810 modules (Type A and Type B), 2 x 12V DC power supplies, wall mounting brackets and plastic transport case.



Specifications subject to change