

## 12G, 6G, 3G, 1.5G SDI / Fiber Optic Transceiver

- SDI fiber receiver and transmitter in single package
- Supports 12G, 6G, 3G and 1.5G SDI video standards
- 3Gbit Level A and Level B (support for all formats)
- Auto relocking 1.5Gbit / 3Gbit / 6Gbit / 12Gbit
- Error free optical transmission
- LC/PC duplex connection
- Singlemode fiber connection
- Up to 10km (6.2 miles) @ 3Gbit/s (singlemode)
- Hot swappable and hot pluggable



The OTR 1410 is a Fiber / SDI transmitter and receiver combined in a single self contained package. It is a convenient and cost-effective solution to combat the restrictions involved with the distribution of uncompressed, high bandwidth, broadcast quality video signals over long distances.

Each OTR 1410 transceiver has an independent transmitter and receiver channel, which provides an effective solution for any SDI signal up to 12Gbit/s (4096x2160 @ 60Hz), while preserving full uncompressed quality.

Operation of the receiver and transmitter is automatic. For transmission, the SDI video format is automatically detected, relocked and then transmitted over the fiber optic TX connection. For reception, the optical SDI video input signal on the RX connection is automatically detected, relocked and provided on the SDI output connection.

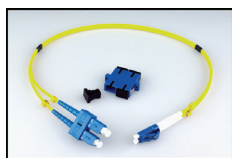
The OTR1410 supports 12G, 6G, 3G and 1.5G SDI video standards.

### Technical Specifications

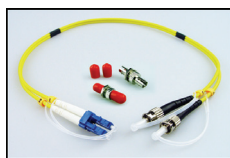
<b>SDI Video</b>	1 x SDI video input, 1 x SDI output 75 Ohm BNC connectors
	SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M
	Multi-standard operation from 1.5Gbit/s to 12Gbit/s
	Multirate relocking: 1.5Gbit - 3Gbit - 6Gbit - 12Gbit
	Automatic cable EQ 260m @ 1.5Gbit/s, 150m @ 3Gbit/s (Belden 1694A cable) 80m @ 12Gbit/s, 6Gbit/s (Belden 4794R cable)
<b>Fiber Optic</b>	1 x fiber optic input, 1 x fiber optic output SMF (singlemode) using LC/PC connection
	SMPTE 297M - 2006
	Transmitter: 1310nm, typical Optical power -3dBm
	Receiver: 1260nm - 1620nm (-2dBm to -10dBm)
	Max. distance approx. 10km (6.2 miles) @ 3Gbit/s (Singlemode)
	TX active and RX active LEDs on side of module
<b>Power</b>	+12VDC @ 2.2W nominal - (supports 7 - 24VDC input range)
<b>Physical</b>	Size: 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") including connectors Weight: 125g (4.4oz)
<b>Ambient</b>	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
<b>Model #</b>	OTR 1410 - (EAN# 4250479324749)
<b>Includes</b>	Module, AC power supply

### Fiber Adapter Options (singlemode)

These adapter kits allow the use of ST or SC fiber connections on the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.



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



Model# **LC/ST DUP**  
LC/PC to ST/SC Adapter

### Power Adapter Options

The kit **INCLUDES** AC power supplies. The power adapters below are optional.



**P-TAP 1000**  
Use with a standard battery P-TAP power source.



**XLR 1000**  
Use with a standard 4 pin XLR camera battery power source.

Specifications subject to change