

Dual Channel 3G SDI to Fiber Transmitter

- Dual channel
- Supports SDI video inputs up to 3G (1080p60)
- 3G Level A and Level B support (all formats)
- Auto reclocking 270M, 1.5G, and 3G
- Error free optical transmission
- Up to 10km* (6.2 miles) @ 3Gbit/s
- Duplex LC/PC singlemode optical connection
- Supports hot swapping and hot plugging

The OTT 1812-1 is a compact dual channel SDI to fiber optic transmitter designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

When paired with the dual-channel fiber optic to SDI receiver (e.g. yellobrik ORR 1802-2) you have a very cost-effective dual channel optical transmitter/receiver system for signals up to 3G (1080p60) while preserving full uncompressed quality.

The OTT 1812-1 has two completely independent channels and each will auto-detect and re-clock any 270Mbit/s, 1.5Gbit/s, and 3Gbit/s SDI source before optical transmission. The module is fully compatible with 3G Level A and Level B formats.



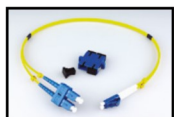
Technical Specifications

SDI Input	2 x SDI video on 75 Ohm BNC connector (two independent channels)			
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI			
	Multi-standard operation from 270Mbit/s to 3Gbit/s			
	Multi-rate reclocking: 270Mbit/s - 1.5Gbit/s - 3Gbit/s			
	Electrical Return Loss:	to 1.5GHz: >15dB	to 3GHz: >10dB	
Automatic cable EQ:	270Mbit/s	1.5Gbit/s	3Gbit/s	
	250m	190m	140m	
Belden 1694A cable				
Optical Output	2 x fiber optic outputs Simplex (singlemode) using LC/PC Connections			
	SMPTE 297M - 2006			
	Wavelength:	1310nm (each channel)		
	Optical power:	-3dBm to -8dBm (each channel)		
	2x TX active LED on side of module			
Power	Max. distance*	max. 10km* (6.2 miles) @ 3Gbit/s		
	+12V DC @ 1.9W nominal - (supports 7 - 24V DC input range)			
	Power LED on side of module			
	Physical	Size (incl. connectors)	140mm x 42mm x 22mm (5.51" x 1.65" x 0.86")	
		Weight	125g (4.4oz)	
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)			
Model #	OTT 1842-1	EAN# 4250479318427		
Includes	Module, SFP Module, AC power supply			

*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.

Fiber Adapter Options

These adapter kits allow the use of ST, SC or FC fiber connections on the module.



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



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



Model# **LC/FC DUP**
LC/PC to FC/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.

