

# OTT 1412

## Dual Channel 12G SDI to Fiber Transmitter

- Dual channel
- Supports 12G, 6G, 3G, 1.5G, and 270M SDI video inputs
- 3G Level A and Level B support (all formats)
- Auto reclocking 270M, 1.5G, 3G, 6G, and 12G
- Error free optical transmission
- Up to 10km\* (6.2 miles) @ 12Gbit/s (singlemode)
- Duplex LC/PC singlemode optical connection
- Supports hot swapping and hot plugging

The OTT 1412 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 1402) you have a very cost-effective dual channel optical transmitter/receiver system for signals up to 12G (4096x2160 @ 60Hz) while preserving full uncompressed quality.

The OTT 1412 has two completely independent channels and each will auto-detect and re-clock any 270Mbit/s, 1.5Gbit/s, 3Gbit/s, 6Gbit/s, or 12Gbit/s SDI source before optical transmission. The module is fully compatible with 3G Level A and Level B formats.



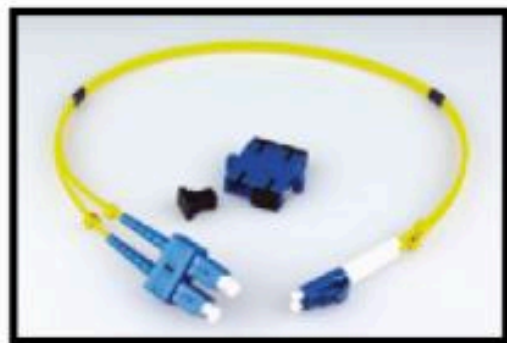
### Technical Specifications

SDI Input	2 x SDI video on 75 Ohm BNC connector (two independent channels)				
	SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M, SMPTE 259M				
	Multi-standard operation from 270Mbit/s to 12Gbit/s				
	Multi-rate reclocking: 270Mbit/s to 12Gbit/s				
	Electrical Return Loss:	to 1.5GHz >15dB	to 3GHz >10dB	to 6GHz >7dB	to 12GHz >4dB
Automatic cable EQ:	1.5Gbit/s	3Gbit/s	6Gbit/s	12Gbit/s	
	190m	140m	90m	80m	
	Belden 1694A cable		Belden 4794R cable		
Optical Output	2 x fiber optic outputs Duplex (singlemode) using LC/PC Connections				
	SMPTE 297M - 2006				
	Wavelength:	1310nm (each channel)			
	Optical power:	-5.5dBm...0.5dBm (each channel)			
	2x TX active LED on side of module				
Power	Max. distance*	max. 10km (6.2 miles) @ 12Gbit/s			
	+12V DC @ 2.5W 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 1412	EAN# 4250479326491			
Includes	Module, SFP Module, AC power supply				

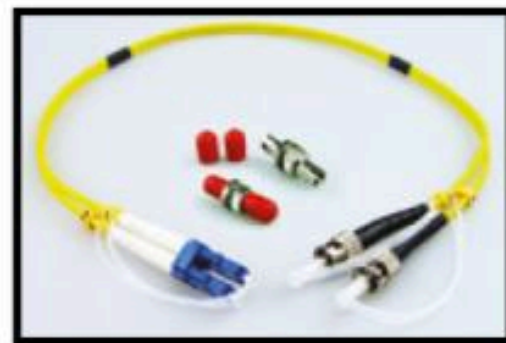
\*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.

### 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.