

Dual Channel 12G SDI to Fiber Transmitter (CWDM)

- Dual Channel
- Supports SDI video inputs up to 12G (2160p60)
- 3G Level A and Level B support (all formats)
- Auto relocking 270M, 1.5G, 3G, 6G, and 12G
- Error free optical transmission
- Distance up to 10km* (6.2 miles) @ 12Gbit/s
- Duplex LC/PC single mode optical connections
- Supports hot swapping and hot plugging

The OTT 1442 is a compact CWDM 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. Nine pairs of wavelength choices are provided.

When paired with a dual-channel 12G fiber optic to SDI receiver (e.g yellobrik ORR 1402) you have a very cost-effective optical transmitter/ receiver system for two independent signals up to 12G (4096x2160 @ 60Hz) while preserving full uncompressed quality.

The OTT 1442 has two completely independent channels and each will auto-detect and re-clock any 270Mbit/s, 1.5Gbit/s, 3Gbit/s, and 12Gbit/s SDI source before optical transmission. The module is fully compatible with 3G Level A and Level B formats.

Note: This yellobrik **DOES NOT INCLUDE** the fiber SFP module. Please specify the required SFP option from the option list.



Installed, optional SFP shown is not included

Technical Specifications

SDI Input	2 x SDI video on 75 Ohm BNC connector (two independent channels)			
	SMPTTE 2082-1, SMPTTE 2081-1, SMPTTE 424M, SMPTTE 292M, SMPTTE 259M, DVB-ASI			
	Multi-standard operation from 270Mbit/s to 12Gbit/s			
	Multi-rate relocking: 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	
	SMPTTE 297M - 2006	
	Wavelength:	CWDM selection. See select SFP table
	Optical power:	see selected SFP option
	2x TX active LED on side of module	
	Max. distance*	~10km (6.2 miles) @ 12Gbit/s
Power	+12V DC @ 2.4W 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 1442	EAN# 4250479327238
Includes	Module, AC power supply	

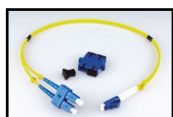
*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.

CWDM Wavelength Options. ITU-T G.694.2 (select one)

Wavelengths	Power	Option #	EAN / UPC
1270nm, 1290nm	-2...+3dBm	OH-TT-12G-1270-1290-LC	4250479327337
1310nm, 1330nm		OH-TT-12G-1310-1330-LC	4250479327344
1350nm, 1370nm		OH-TT-12G-1350-1370-LC	4250479327351
1390nm, 1410nm		OH-TT-12G-1390-1410-LC	4250479327368
1430nm, 1450nm		OH-TT-12G-1430-1450-LC	4250479327375
1470nm, 1490nm		OH-TT-12G-1470-1490-LC	4250479327382
1510nm, 1530nm		OH-TT-12G-1510-1530-LC	4250479327399
1550nm, 1570nm		OH-TT-12G-1550-1570-LC	4250479327405
1590nm, 1610nm		OH-TT-12G-1590-1610-LC	4250479327412

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.

