

3G SDI to Fiber Optic Transmitter (CWDM)

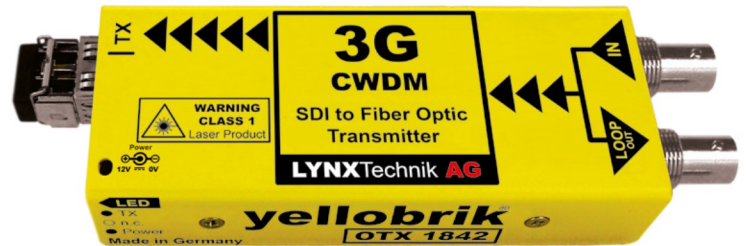
- Supports SDI video inputs up to 3G (1080p60)
- 3G Level A and Level B support (all formats)
- Auto reclocking 270Mbit/s, 1.5Gbit/s, and 3Gbit/s
- Reclocked SDI loop output
- 18 wavelength selections (ITU-T G.694.2)
- Error free optical transmission
- Up to 40km* (24.85 miles) @ 3Gbit/s
- Simplex LC singlemode optical connection
- Supports hot swapping and hot plugging

The OTX 1842 is a compact CWDM 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 fiber optic to SDI receiver (e.g. yellobrik ORX 1802) you have a very cost-effective optical transmitter/receiver system for signals up to 1080p60 (3Gbit/s), while preserving full uncompressed quality. Select from 18 wavelengths for full CWDM compatibility.

The OTX 1842 will auto-detect and re-clock any 270Mbit/s, 1.5Gbit/s, and 3Gbit/s SDI source prior to 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.



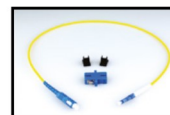
Technical Specifications

SDI Video	1x SDI input on 75 Ohm BNC connector		
	1x SDI output reclocked loop on 75 Ohm BNC connector		
	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	220m	150m
Belden 1694A cable			
Optical Output	1 x fiber optic output		
	Simplex (singlemode) LC/PC connection		
	SMPTE 297M - 2006		
	Wavelength:	CWDM selection. See select SFP table	
	Optical power:	see selected SFP option	
	TX active LED on side of module		
	Max. distance*	max. 10km* (6.2 miles) @ 3Gbit/s	
Power	+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 #	OTX 1842	EAN# 4250479359857	
Includes	Module, AC power supply		

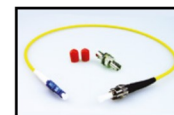
*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.

Fiber Adapter Options

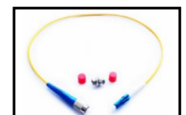
These adapter kits allow the use of ST, SC or FC fiber connections on the module.



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



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



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

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

Wavelengths	Power	Option #	EAN / UPC
1270nm	-1dBm (typ)	OH-TX-4-1270-LC	4250479312715
1290nm		OH-TX-4-1290-LC	4250479312913
1310nm		OH-TX-4-1310-LC	4250479313118
1330nm		OH-TX-4-1330-LC	4250479313316
1350nm		OH-TX-4-1350-LC	4250479313514
1370nm		OH-TX-4-1370-LC	4250479313712
1390nm		OH-TX-4-1390-LC	4250479313910
1410nm		OH-TX-4-1410-LC	4250479314115
1430nm		OH-TX-4-1430-LC	4250479314313
1450nm		OH-TX-4-1450-LC	4250479314511
1470nm		OH-TX-4-1470-LC	4250479314719
1490nm		OH-TX-4-1490-LC	4250479314917
1510nm		OH-TX-4-1510-LC	4250479315112
1530nm		OH-TX-4-1530-LC	4250479315310
1550nm		OH-TX-4-1550-LC	4250479315518
1570nm		OH-TX-4-1570-LC	4250479315716
1590nm		OH-TX-4-1590-LC	4250479315914
1610nm		OH-TX-4-1610-LC	4250479316119

