OTT1814_R01

yellobrik®

yellobrik® Quick Reference

Technical Specifications

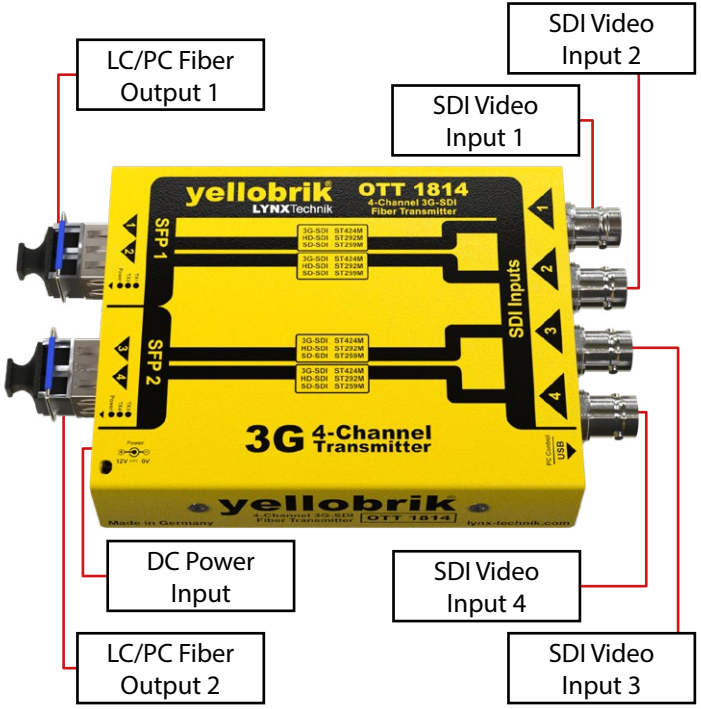
SDI Input	4x 3G-SDI video on 75 Ohm BNC connector (four independent channels)		
	SMPTE 424M, SMPTE 292M, SMPTE 259M		
	Multi-standard operation from 270Mbit/s to 3Gbit/s		
	Multi-rate reclocking: 270Mbit/s to 3Gbit/s		
	Electrical Return Loss:	to 1.5GHz >15dB	to 3GHz >10dB
	Automatic cable EQ:	1.5Gbit/s	3Gbit/s
		190m	140m
		Belden 1694A cable	
Optical Output	4x fiber outputs 2x Duplex (singlemode) using LC/PC Connections		
	SMPTE 297M - 2006		
	Wavelength:	1310nm (each channel)	
	Optical power:	-5.5dBm to -0.5dBm (each channel)	
	4x TX active LED on side of module		
	Max. distance*	80km (50 miles) with CWDM 10km (6.2 miles) with standard SFPs	
Power	+12V DC @ 2.2W excl. SFPs - (supports 7 - 24V DC input range)		
	Power LED on side of module		
Physical	Size (incl.connectors)	140mm x 83.8mm x 22mm (5.51" x 3.29" x 0.86")	
	Weight	168g/6oz excl. SFPs, 268g/9.5oz incl. SFPs	
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)		
Model #	OTT 1814	EAN# 4250479529755	
	OTT 1814 CW	EAN# 4250481029915	
Includes	Module, Power Supply, 2x TT SFPs (only non-CWDM version)		

LYNXTechnik | Broadcast Television Equipment

Visit our website for the latest product updates: **www.lynx-technik.com**

OTT 1814

4-Channel 3G-SDI Fiber Transmitter



Module laser is active as soon as power is connected, **regardless of LED indication**

Connections

SDI video inputs connect to the 75 Ω BNC connectors. Fiber connections use LC connectors, as shown on the module.

Use the included dust plug to protect the optical connection from dust.

Operation

The OTT 1814 supports all SDI video formats from 270Mbit/s to 3Gbit/s. It does not support analog video formats. The TX LEDs indicate data transmission activity on the side of the module. The module has four independent 3G-SDI channels.

Operation is fully automatic. The video input rates are automatically detected, reclocked and provided on the Fiber outputs. No user settings are provided for this module. The module supports hot swapping and hot plugging.

Module LEDs

Power LED

Green	Device Running
Yellow (blinking)	"Locate Module" function active
Red (blinking)	Hardware Issues
Off	Device Not Powered

TX LED

Green	Output Signal Active
Off	No Signal Sent (Laser Active)

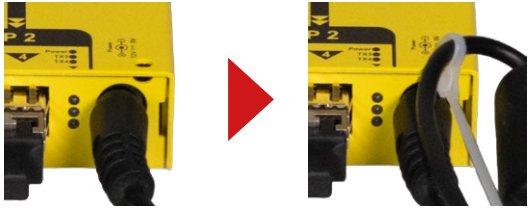
Power

The module requires a 12V DC power input. The LED indicates when power is connected. If using an external power supply, a clean 7–24V DC source is required.

The OTT 1814 has a maximum power consumption of 2.2W (excluding SFPs).

Power Lead Strain Relief

Yellobrik modules have a small hole above the power connection to prevent the power lead from being accidentally pulled out. Secure the lead using the supplied tie-wrap as shown below.



Optional Mounting Solutions

The optional RFR 1001 mounting bracket allows the module to be installed on any surface and 19" rack rails.

The RFR 1200 rack mount holds up to 14 yellobrik modules and provides power redundancy for all installed devices.