



# yellobrik®

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## Quick Reference

### Technical Specifications

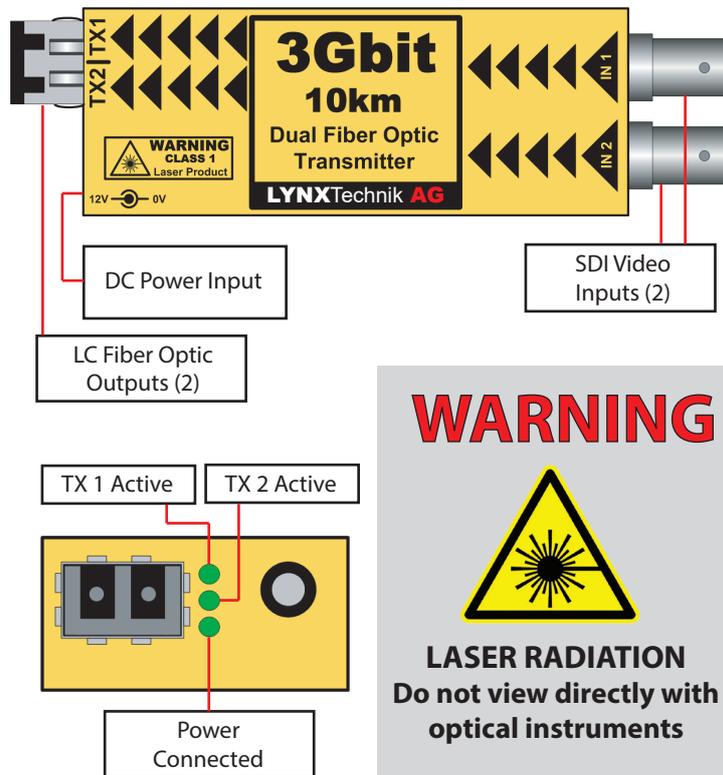
<b>Input</b>	2 x SDI video on 75 Ohm BNC connectors
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 3Gbit/s
	Multirate reclocking
	270Mbit/s - 1.48Gbit/s - 2.97Gbit/s
	Return Loss: >15dB from 5MHz to 1.5GHz >10dB from 1.5GHz to 3GHz
	Automatic cable EQ (Belden 1694A cable)
	340m @ 270Mbit/s, 150m @ 1.5Gbit/s, 120m @ 3Gbit/s
<b>Optical Outputs</b>	2 x fiber optic outputs
	SMF (singlemode) using LC/PC Connectors
	SMPTE 297M - 2006
	Wavelength 1310nm (each channel)
	Optical power -5.5dBm to +0.5dBm (each channel)
	TX active LEDs on side of module
	Max. distance 10km (6.2 miles) @ 3Gbit/s (Singlemode)
<b>Power</b>	+12VDC @ 2.5W nominal - (power supply included)
	(supports 7 - 16VDC input range)
	Power LED on side of module

We are constantly adding additional yellobrik modules. Please visit our website for the latest product updates.

[www.lynx-technik.com](http://www.lynx-technik.com)

### OTT 1812

### Dual SD/HD/3G SDI to Fiber Optic Transmitters



## WARNING



**LASER RADIATION**  
Do not view directly with optical instruments

**CLASS 1M LASER PRODUCT**

## Connections

The SDI video input is connected to the 75 Ohm BNC connections (up to 3Gbit). The fiber connection is LC Duplex SMF (Singlemode). An example of the LC connector shown below (fiber Optic cable and LC connectors are not supplied).



### \*Note

The module is designed for use with SMF (Singlemode) fiber cable. While it is possible to use Multimode cable, performance (distance) is greatly degraded and not guaranteed.

## Operation

The module has two identical (and fully independent) channels. Operation is fully automatic. The SDI Input video rates are automatically detected, relocked and transmitted over the optical connections.

The OTT 1812 supports any SDI video signal from 270Mbit/s to 3Gbit/s. Maximum distance is 10 km (6.2 miles)\*. Data transmission activity is indicated by the TX LEDs on the side of the module.

**Note.** If TX LED is OFF this indicates no SDI input is present, or not a valid input.

The module supports hot swapping and hot plugging of connections.

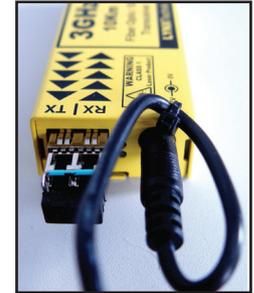
No user settings are provided for this module.

## Power

The module requires a 12V DC power input and an LED is provided to confirm power is connected. A power supply is provided, but if applying your own power, please provide a clean 12V DC power source. Module power consumption is approx 2.5W nominal.

## Power Lead Strain Relief

The module has a small hole in the case located above the power connection to prevent the power lead being accidentally pulled out. Use the supplied tie-wrap and secure the lead as shown below.



## Optional Mounting Bracket

The optional RFR 1001 mounting bracket can be used to permanently mount the module on any flat surface or on 19" rack rails.

