OTX1812R2

yellobrik®

yellobrik® Quick Reference

Technical Specifications

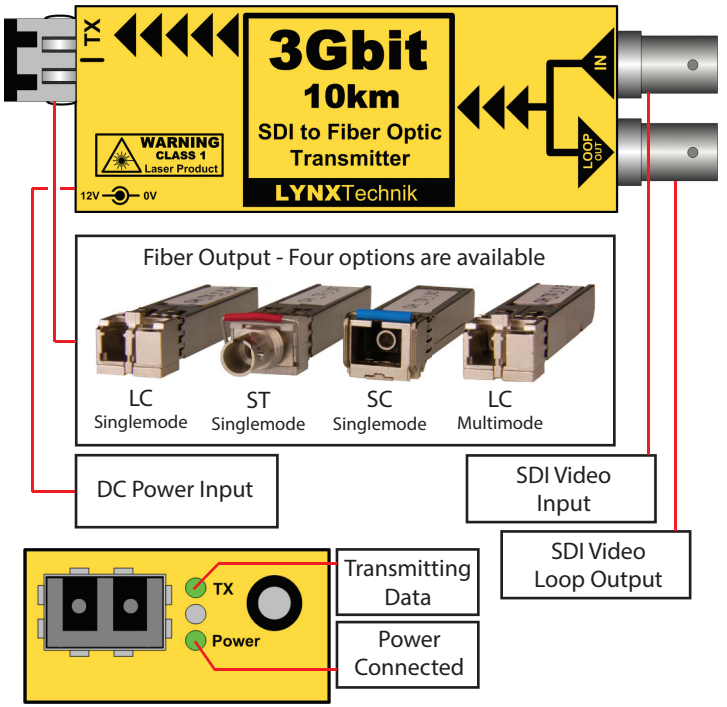
SDI Input	1 x SDI video input with 1 x SDI reclocked loop output 75 Ohm BNC connectors
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 3Gbit/s
	Multirate reclocking : 270Mbit/s - 1.48Gbit/s - 2.97Gbit/s
	Return Loss: > 15dB to 1.5Gbit and > 10dB up to 3Gbit
	Automatic cable EQ (Belden 1694A cable) 320m @ 270Mbit/s, 150m @ 1.5Gbit/s, 120m @ 3Gbit/s
Fiber output Singlemode	1 x fiber optic Singlemode output LC, ST or SC connection
	SMPTE 297M - 2006
	Wavelength 1310nm, Optical power -5dBm
	Max. distance 10km (6.2 miles) @ 3Gbit/s (Singlemode)
Fiber output Multimode	1 x fiber optic Multimode output LC connection
	SMPTE 297M - 2006
	Wavelength 850nm, Optical power -5dBm
	Max. distance 300m (984feet) @ 3Gbit/s (Multimode)
Power	+12VDC power supply (included) Supports external power input from 7 - 17 VDC (1.7VA)

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

www.lynx-technik.com

OTX 1812 (LC,ST,SC,MM)

3Gbit SDI Fiber Optic Transmitter



WARNING
CLASS 1M LASER PRODUCT

LASER RADIATION
Do not view directly with optical instruments

Connections

The SDI video input and loop output is connected to the corresponding 75 Ohm BNC connections provided (up to 3Gbit). The fiber connections are made to the fiber SFP sub module as indicated on the module.

Four versions of the module are available, the only difference is the SFP sub module installed into the basic module.

OTX 1812 LC - Singlemode LC fiber connection
OTX 1812 ST - Singlemode ST fiber connection
OTX 1812 SC - Singlemode SC fiber connection
OTX 1812 MM - Multimode LC fiber connection

The module fiber connection is supplied with a rubber plug installed, this is to prevent dust contamination. Please retain the plug and use if the cable is ever disconnected from the module.

Operation

Operation of the OTX 1812 is fully automatic. The SDI video format is automatically detected, reclocked and then transmitted over the fiber optic connection. A reclocked electrical SDI output is also provided. The module supports all SDI video standards as well as DVB/ASI.

The OTX 1812 supports hot swapping and hot plugging of connections. No user settings are provided for this module.

Distance

The distance reach of the modules is different for Singlemode and Multimode.

OTX 1812 LC,ST,SC Singlemode versions has a max distance of approx 10Km (6.2 miles) for SDI signals up to 3Gbit/s

OTX 1812 MM This version is designed for use with Multimode cable and has a max distance of approx 300m (984 feet) for SDI signals up to 3Gbit/s

SFP Fiber sub modules plug into the basic base module

Power

The module requires a 12V DC power input and a LED is provided to confirm power is connected. A power supply is provided, but if applying your own power, please provide a clean DC power source between 7 and 17VDC @ 1.7VA (Do not exceed this voltage or damage to the module will result)

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.