OTX1410_R01

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 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M
	Multi-standard operation from 1.5Gbit/s to 12Gbit/s
	Multirate reclocking: 1.5Gbit - 3Gbit - 6Gbit - 12Gbit
	Automatic cable EQ 260m @ 1.5Gbit/s, 150m @ 3Gbit/s (Belden 1694A cable) 80m @ 12Gbit/s, 6Gbit/s (Belden 4794R cable)
Optical Output	1 x fiber optic output SMF (singlemode) using LC/PC connection
	SMPTE 297M - 2006
	Wavelength 1310nm
	Optical power (typ) -3dBm
	TX active LED on side of module
	Max. distance 10km (6.2 miles) @ 3Gbit/s (Singlemode)
Power	+12VDC @ 2.2W nominal (power supply included) (supports 7 - 24VDC input range) Power LED on side of module

We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.
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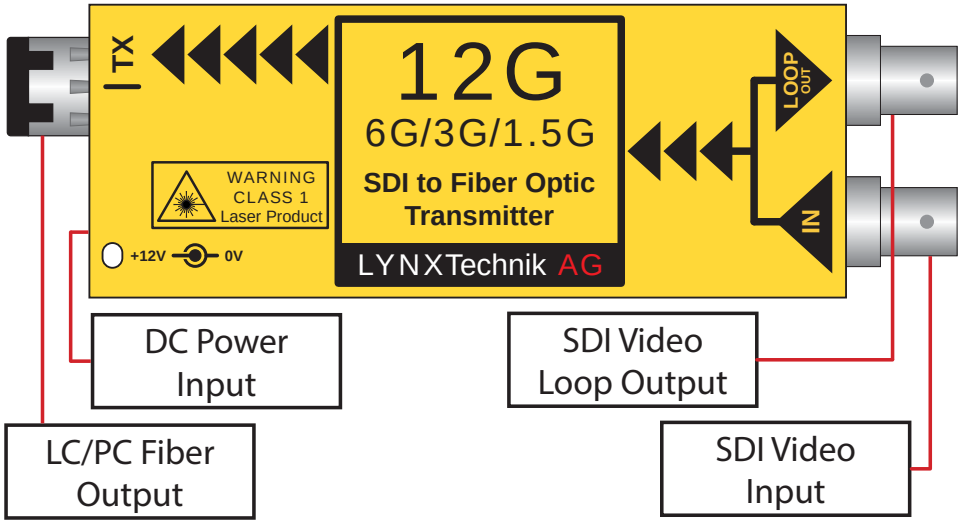
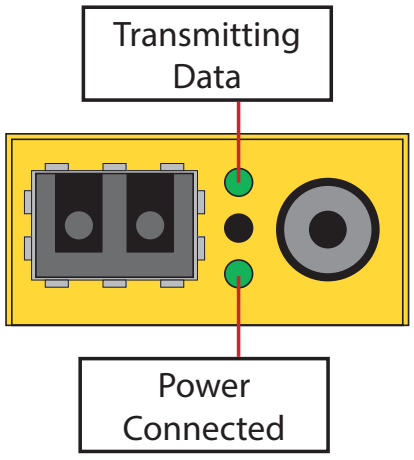
OTX 1410

12G, 6G, 3G, 1.5G SDI Fiber Optic Transmitter





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 to12Gbit). The fiber connection is LC/PC Simplex SMF (singlemode).

The fiber connection comes standard with an installed rubber plug to prevent dust contamination. Please keep the plug for later use if the cable is ever disconnected from the cable.

Operation

Maximum distance supported is 10km (6.2 miles). Data transmission activity is indicated by the TX LEDs on the side of the module.

Note: If TX LED is OFF, then this indicates that there is no SDI present or not a valid input.

The OTX 1410 is hot swappable and hot pluggable.

No user settings are provided for this module.

Power

The module requires a 12V DC power input and the LED confirms when power is connected. A power supply is provided, however if you use your own power supply, please provide a clean 12V DC power source between 7 and 24VDC.

The OTX 1410 has a power consumption of approximately 2.2W nominal.

Power Lead Strain Relief

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

Optional Mounting Solutions

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

The optional RFR 1000-1 rack mount can be used to permanently mount up to 14 yellobrik modules. In addition, the RFR 1000-1 can provide full power redundancy for all mounted yellobriks.