OTX1410_R03

yellobrik®

yellobrik® Quick Reference

Technical Specifications

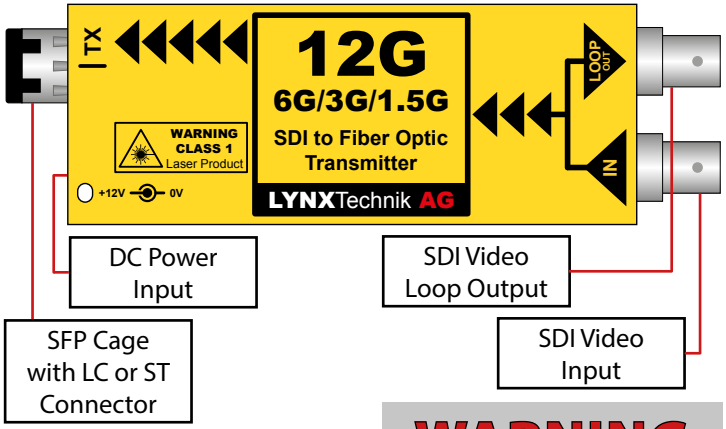
SDI Input	1 x SDI video input with 1 x SDI reclocked loop output 75 Ohm BNC connectors	
	SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M	
	Multi-standard operation from 1.5Gbit/s to 12Gbit/s	
	Multirate reclocking: 1.5Gbit - 3Gbit - 6Gbit - 12Gbit	
	Automatic cable EQ 260m @ 1.5Gbit/s, 150m @ 3Gbit/s (Belden 1694A cable) 80m @ 12Gbit/s, 6Gbit/s (Belden 4794R cable)	
Optical Output	1 x fiber optic output singlemode (SM) using LC or ST connection (Module variants are named LC and ST for 10km, LC-40 for 40km)	
	SMPTE 297M - 2006	
	Wavelength 1310nm	
	Optical power (typ) -3dBm	
	TX active LED on side of module	
	Max. distance	~10km (6.2 miles) @ 12Gbit/s (SM) with OTX 1410 LC / ST
		~40km (24.8 miles) @ 12Gbit/s (SM) with OTX 1410 LC-40
Power	+12VDC @ 2.2W nominal (power supply included) (supports 7 - 24VDC input range) Power LED on side of module	

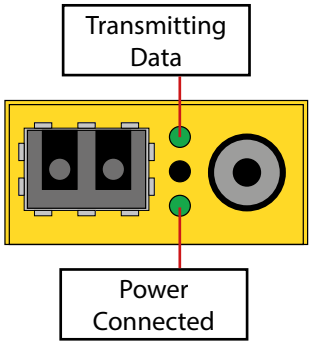
We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.

www.lynx-technik.com

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 to 12G). The fiber connections available are LC or ST Simplex singlemode (SM). The 40km variant is only available with a LC connector.

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

The maximum distance supported is 10km (6.2 miles) for the LC and ST versions, 40km (24.8 miles) for the LC-40 version.
The TX LEDs indicate data transmission activity on the side of the module.

The OTX 1410 is hot-swappable and hot-pluggable.

No user settings are provided for this module.

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

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