OTX1410_R04

yellobrik®

yellobrik® Quick Reference

Technical Specifications

SDI Video	1 x SDI video input with on 75 Ohm BNC connector 1 x Reclocked loop output on 75 Ohm BNC connector	
	SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M	
	Multi-standard operation from 1.5Gbit/s to 12Gbit/s	
	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: -3dBm	
	TX active LED on side of module	
	Max. distance	OTX 1410 LC/ST : ~10km (6.2 miles) @ 12Gbit/s
		OTX 1410 LC-40 : ~40km (24.8 miles) @ 12Gbit/s
Power	+12V DC @ 1.9W nominal (power supply included) (supports 7 - 24V DC 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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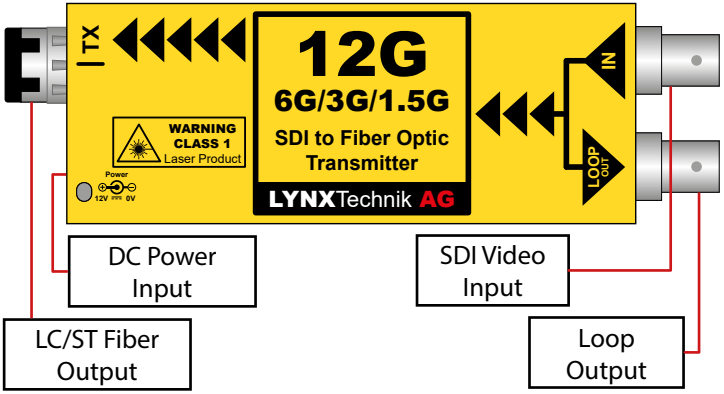
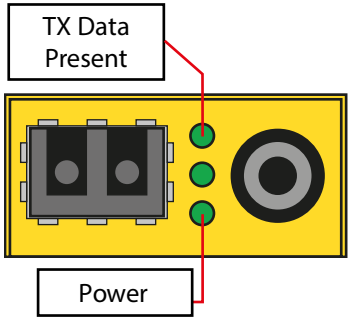
LYNXTechnik **AG**® | Broadcast Television Equipment

OTX 1410

12G, 6G, 3G, HD SDI to Fiber Optic Transmitter





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

WARNING

LASER RADIATION
Do not view directly with optical instruments

CLASS 1M LASER PRODUCT

Connections

The SDI input and reclocked SDI output are connected to the 75 Ohm BNC connections. The fiber connection is made to the fiber SFP sub module as indicated on the module. The 40km variant is only available with an LC connector.

Note: The module is designed for use with SMF (Singlemode) fiber cable.

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

Operation

The OTX 1410 supports all SDI video formats from 270Mbit/s to 12Gbit/s. 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 LED indicates data transmission activity on the side of the module.

Operation if fully automatic. The SDI input video format is automatically detected and the video signal is reclocked and then transmitted over the optical connection and the loop output. There are no user adjustments for the module. The module supports hot swapping and hot plugging of all connections.

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

Power

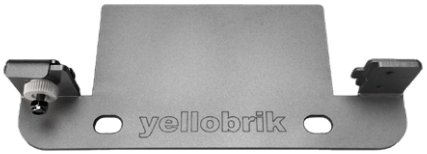
The module requires a clean 12V DC (7-24V DC) power source. An LED is provided to confirm power is connected. A 12V DC power supply is included with the module. If you are applying your own power source, please provide a clean, 7-24V DC power source. Power consumption information can be found in the technical specifications table.

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.

Note: The OTX 1410 is identical in terms of mounting and securing.