



yellobrik®

yellobrik®

Quick Reference

Technical Specifications

SDI Video	1 x SDI input 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 (LC/PC Connection) (CWDM - 18 selectable wavelengths - ITU-T G.694.2)
	SMPTE 297M - 2006
	OH-TX-12G-XXXX-LC Optical Power: -2dBm to +3dBm Max. Distance: 10km
	OH-TX-8-XXXX-LC Optical Power: +1dBm to +5dBm Max. Distance: 80km
	OH-TX-4-XXXX-LC Optical Power: -4dBm to +2dBm Max. Distance: 40km
	Max. distance: see selected optical SFP
	TX active LED on side of module
Power	+12V DC @ 2.0W nominal (power supply included) (supports 7 - 24V DC input range) Power LED on side of module

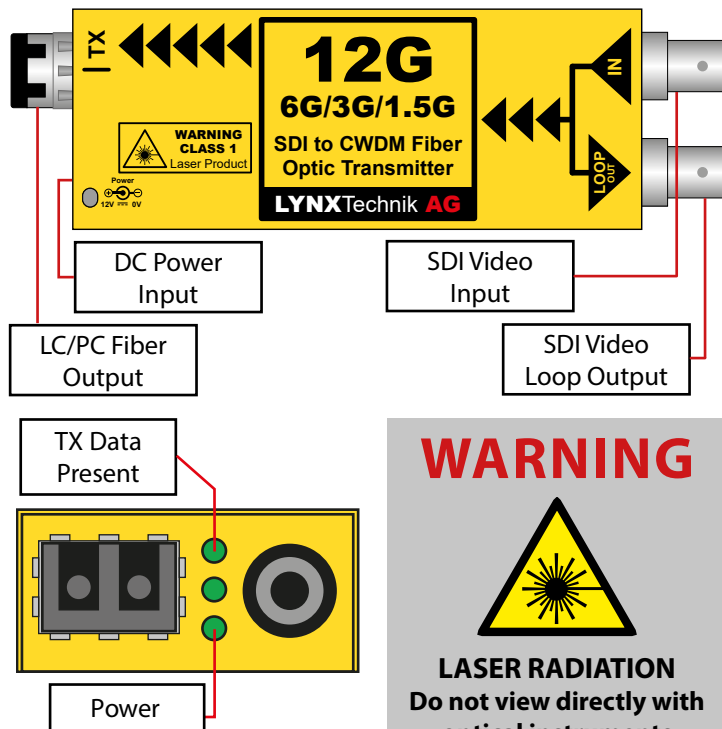
We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.

www.lynx-technik.com

LYNXTechnik AG® | Broadcast Television Equipment

OTX 1440

12G, 6G, 3G, 1.5G SDI CWDM Fiber 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 loop out are connected to the corresponding 75 Ohm BNC connections provided (up to 12G). The fiber connection is made with a simplex LC connector as indicated on the module. An example of a simplex LC connector shown below.



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

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

18 wavelengths are available to choose from when ordering the module.

Operation

The OTX 1440 supports all SDI video formats from 270Mbit/s to 12Gbit/s. Data transmission activity is indicated by the TX LED on the side of the module.

Operation is 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.

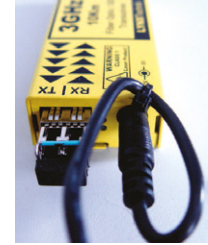
Note: If the TX LED is OFF this indicates that no SDI input is present, or the input signal is not valid.

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 1440 is identical in terms of mounting and securing.