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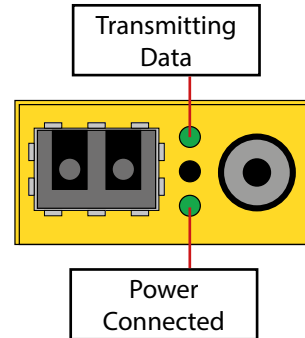
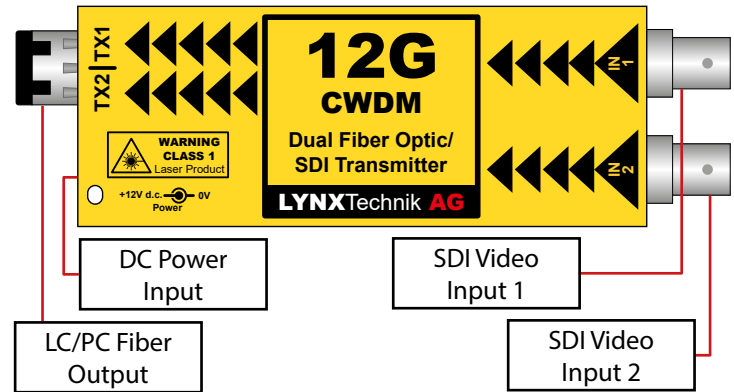
Quick Reference

Technical Specifications

SDI Input	2 x SDI video input 75 Ohm BNC connectors
	SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 12Gbit/s
	Multirate reclocking: 270Mbit/s - 1.5Gbit/s - 3Gbit/s - 6Gbit/s - 12Gbit/s
	Automatic cable EQ: 245m @ 1.5Gbit/s, 145m @ 3Gbit/s (Belden 1694A cable) 85m @ 12Gbit/s, 6Gbit/s (Belden 4794R cable)
Optical Output	2 x fiber optic output SMF (singlemode) using LC/PC connection
	SMPTE 297M - 2006
	Wavelength selectable (SFP not included in module)
	Optical power: see selected optical SFP
	TX active LED on side of module
	Max. distance: see selected optical SFP
Power	+12VDC @ 1.9W nominal (power supply included, without SFP) (supports 7 - 24VDC input range) Power LED on side of module

OTT 1442

Dual Channel 12Gbit SDI to Fiber Transmitter (CWDM)



WARNING

LASER RADIATION
Do not view directly with optical instruments

CLASS 1M LASER PRODUCT

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

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Connections

The SDI video input is connected to the 75 Ohm BNC connections (up to 12Gbit). The fiber connection is LC/PC Simplex SMF (singlemode). An example of the LC connector is shown on the right (fiber optic cable and LC connectors are not supplied).



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.

The basic module has no fiber SFP included, The module is typically used for CWDM applications and the wavelength can be selected from the available CWDM SFPs.

Note: The modules are CWDM devices and can only be used with SMF (Singlemode fiber). Multi-mode fiber is not supported.

Operation

The module has two identical (and fully independent) channels. Operation is full automatic. The SDI input video rates are automatically detected, relocked, and transmitted over the optical connections.

The OTT 1442 supports any SDI video signal from 270Mbit/s to 12Gbit/s. The module supports hot swapping and hot plugging of connections. No user settings are provided for this module.

Note: If 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 an LED is provided to confirm power is connected. A power supply is provided, however if you use your own power supply, please provide a clean DC power source between 7 and 24V. The module power consumption is approximately 1.9W 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.



Note: OTT 1442 is identical in terms of mounting and securing.