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 Quick Reference

Technical Specifications

SDI Input

- 2 x SDI video input on 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
- 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 (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

Power

- Max. distance: see selected optical SFP
- +12V DC @ 1.9W nominal (power supply included, without SFP)
(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.

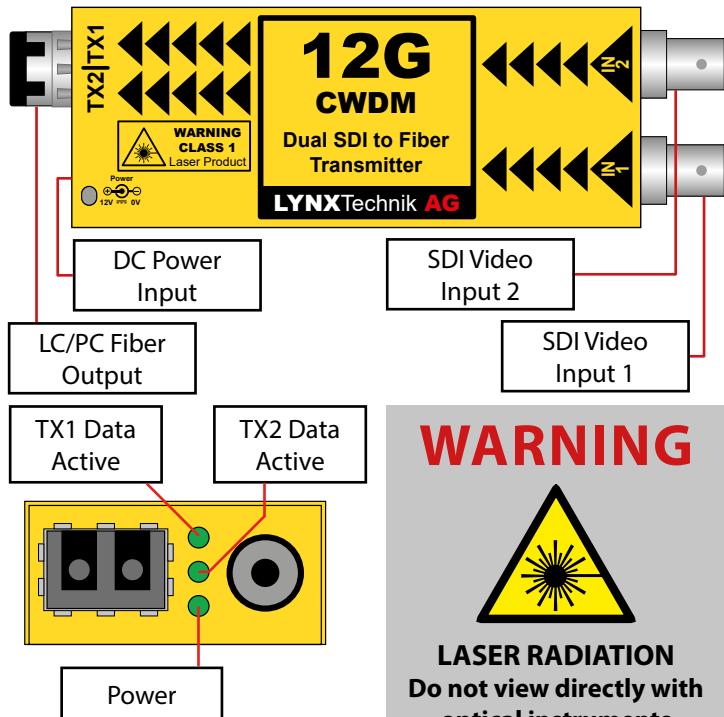
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LYNXTechnik AG®

Broadcast Television Equipment

OTT 1442

Dual Channel 12Gbit SDI to Fiber Transmitter (CWDM)



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

CLASS 1M LASER PRODUCT

Connections

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

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



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

Note: The module is a CWDM device and can only be used with SMF (Singlemode fiber). Multimode fiber is not supported.

Operation

The OTT 1442 supports all SDI video formats from 270Mbit/s to 12Gbit/s. The TX LEDs indicate data transmission activity on the side of the module. The module has two identical (and fully independent) channels.

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. There are no user adjustments for the module. The module supports hot swapping and hot plugging of all connections.

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 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 yellowbrik modules. In addition, the RFR 1000-1 can provide full power redundancy for all mounted yellowbriks.



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