

### Technical Specifications

|                  |                                                                                                                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SDI Video</b> | 4x 3G-SDI inputs on 75 Ohm BNC connector<br>SMPTE 424M, SMPTE 292M, SMPTE 259M<br>Multi-standard operation from 270Mbit/s to 3Gbit/s<br>Automatic cable EQ: 250m @ 270Mbit/s, 220m @ 1.5Gbit/s, 150m @ 3Gbit/s (Belden 1694A cable) |
| <b>Fiber</b>     | 4x Fiber outputs<br>2x Duplex LC/PC connectors<br>Single-mode Standard 1310nm or CWDM<br>SMPTE 297M - 2006<br>Side-mounted TX activity LEDs                                                                                         |
| <b>Power</b>     | +12V DC @ 2.2W excl. SFPs - (supports 7 - 24V DC input range)                                                                                                                                                                       |
| <b>Physical</b>  | Size: 140mm x 83.8mm x 22mm (5.51" x 3.29" x 0.86") incl. connectors<br>Weight: 168g/6oz excl. SFPs, 268g/9.5oz incl. SFPs                                                                                                          |
| <b>Includes</b>  | Module, AC power supply, SFP depending on model                                                                                                                                                                                     |

### Ordering Information

| Model       | Mode   | Type     | TX Wavelength | SFP Included |
|-------------|--------|----------|---------------|--------------|
| OTT 1814    | Single | Standard | 1310nm        | Yes          |
| OTT 1814 CW | Single | CWDM     | 1270 - 1610nm | No           |



**WARNING**  
CLASS 1M LASER PRODUCT  
LASER RADIATION

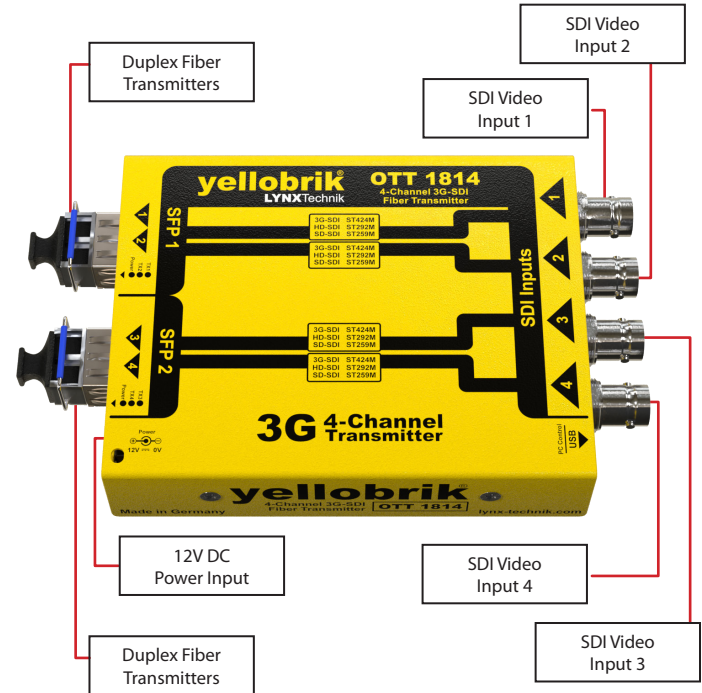
Do not view directly with  
optical instruments

Visit our website for the latest product updates: [www.lynx-technik.com](http://www.lynx-technik.com)

**LYNXTechnik** | Broadcast Television Equipment

### OTT 1814

#### 4-Channel 3G-SDI to Fiber Transmitter



The OTT 1814 is a compact 4-Channel fiber transmitter combining four independent transmitters in a single unit. It supports uncompressed 3G-SDI signals up to 1080p60fps, with automatic detection and re-clocking of 3G, HD, and SD-SDI inputs.

## Connections

The SDI inputs and outputs are connected to the 75 Ohm BNC connections. The fiber interface uses LC duplex connections with dense or coarse wavelengths. To protect the optical interface from dust and contamination, keep the supplied dust plug installed whenever the fiber connection is not in use. A USB port is provided for firmware updates, configuration, and monitoring.

## Operation

The OTT 1814 combines four independent fiber transmitters single package. Different SDI video formats and standards (3G, 1.5G and 270M) can be transmitted on each channel. For transmission, SDI video formats are automatically detected, reclocked and then transmitted over the fiber optic TX connections. Data transmission activity is indicated by the TX LEDs on the side of the module.

## Module LEDs

| Power LED                                                                       |                   |                                                                |
|---------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------|
|  | Green             | Device Running                                                 |
|  | Yellow (blinking) | "Locate Module" function active                                |
|  | Red (blinking)    | Hardware Issues                                                |
|  | Off               | Device Not Powered                                             |
| TX LED                                                                          |                   |                                                                |
|  | Green             | Output Signal Active                                           |
|  | Off               | No Input Signal Detected, No Signal Transmitted (Laser Active) |

## Distances

|             |                                                     |
|-------------|-----------------------------------------------------|
| OTT 1814    | Single-mode Standard 1310nm: up to 10km (6.2 miles) |
| OTT 1814 CW | Single-mode CWDM: up to 40/80km (25/50 miles)       |

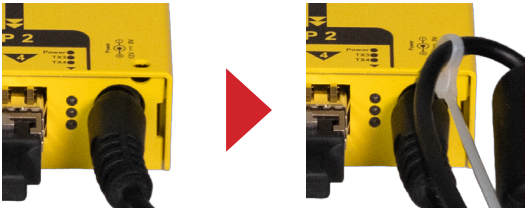
## Power

The module requires a 12V DC power input. The LED indicates when power is connected. If using an external power supply, a clean 7–24V DC source is required.

The OTT 1814 has a power consumption of 2.2W (excluding SFP).

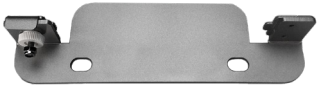
## Power Lead Strain Relief

Yellobrik modules have a small hole above the power connection to prevent the power lead from being accidentally pulled out. Secure the lead using the supplied tie-wrap as shown below.



## Optional Mounting Solutions

The optional RFR 1001 mounting bracket allows the module to be installed on any surface and 19" rack rails.



The RFR 1200 rack frame can hold up to 14 yellobriks and can provide power redundancy for all installed devices.

