

## Dual Channel 3Gbit Fiber to SDI Receiver

- Dual channel
- Supports SDI video inputs up to 3Gbit/s (1080p60)
- 3Gbit Level A and Level B support (all formats)
- Auto relocking 270Mbit / 1.5Gbit / 3Gbit
- Error free optical reception
- 1260nm to 1620nm wavelength input range
- Duplex LC/PC singlemode optical connection
- Supports hot swapping and hot plugging



The ORR 1802-2 is a compact dual channel fiber optical to SDI receiver designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

When paired with a SDI optical transmitter (e.g. yellobrik OTT 1812, OTX 1812, OTX 1842 etc) you have a very cost-effective optical transmission / receiver system for signals up to 1080p60 (3Gbit/s), while preserving full uncompressed quality.

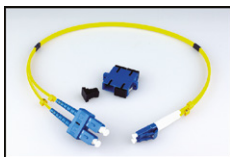
The ORR1802 has two completely independent channels and each will auto-detect and re-clock any 270Mbit / 1.5Gbit and 3Gbit SDI fiber source prior to electrical conversion. The module is fully compatible with 3Gbit Level A and Level B formats.

## Technical Specifications

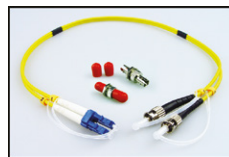
|                     |  |
|---------------------|--|
| <b>Fiber Inputs</b> | 2 x fiber optic Inputs (one for each channel)<br>Duplex (single model) using LC/PC Connections |
|                     | SMPTE 297M - 2006  |
|                     | Hot pluggable  |
|                     | Input range (wavelength) 1260nm to 1620nm  |
|                     | RX sensitivity -3dBm to -16dBm   |
|                     | RX active LED on side of module  |
|                     | (SMF) Singlemode fiber   |
| <b>SDI Outputs</b>  | 2 x SDI video on 75 Ohm BNC connector<br>(two independent channels)                            |
|                     | SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI  |
|                     | Multi-standard operation from 270Mbit/s to 3Gbit/s   |
|                     | Electrical Return Loss: >15dB from 5MHz to 1.5GHz, >10dB from 1.5GHz to 3GHz                   |
| <b>Power</b>        | +12VDC @ 2.2W nominal - ( supports 7 - 16VDC input range )                                     |
| <b>Physical</b>     | Size: 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") including connectors<br>Weight: 125g (4.4oz) |
| <b>Ambient</b>      | 5 - 40°C (41 - 104°F) 90% Humidity (non condensing)  |
| <b>Model #</b>      | ORR 1802-2 - ( EAN# 4250479318021 )  |
| <b>Includes</b>     | Module, AC power supply  |

## Fiber Adapter Options

These adapter kits allow the use of ST or SC fiber connections on the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.



Model# **LC/SC DUP**  
LC/PC to SC/PC Adapter



Model# **LC/ST DUP**  
LC/PC to ST/SC Adapter

## Power Adapter Options

The kit **INCLUDES** AC power supplies. The power adapters below are optional.



**P-TAP 1000**  
Use with a standard battery P-TAP power source.



**XLR 1000**  
Use with a standard 4 pin XLR camera battery power source.

Specifications subject to change