

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 reclocking 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 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

Fiber Inputs

2 x fiber optic Inputs (one for each channel)
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

SDI Outputs

2 x SDI video on 75 Ohm BNC connector
(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

Power

+12VDC @ 2.2W nominal - (supports 9 - 14VDC input range)

Physical

Size: 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") including connectors
Weight: 125g (4.4oz)

Ambient

5 - 40°C (41 - 104°F) 90% Humidity (non condensing)

Model

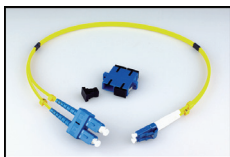
ORR 1802 - (EAN# 4250479318021)

Includes

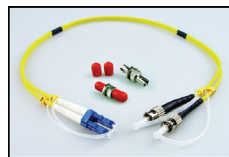
Module, AC power supply

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