

## Dual Channel 3G Fiber to SDI Receiver

- Dual channel
- Supports SDI video inputs up to 3G (1080p60)
- 3G 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 1802-2 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 an SDI optical transmitter (e.g. yellobrik OTT 1812-1, OTX 1812, OTX 1842, etc) you have a very cost-effective optical transmitter/receiver system for signals up to 3G (1080p60), while preserving full uncompressed quality.

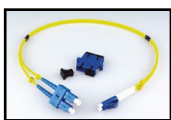
The ORR 1802-2 has two completely independent channels and each will auto-detect and re-clock any 270Mbit/s, 1.5Gbit/s, or 3Gbit/s SDI fiber source prior to electrical conversion. The module is fully compatible with 3G Level A and Level B formats.

## Technical Specifications

<b>Fiber Input</b>	2 x fiber optic inputs (one for each channel) Duplex (single model) using LC/PC Connections		
	SMPTE 297M - 2006		
	Wavelength:	1260nm to 1620nm	
	RX Sensitivity	-18dBm	
2x RX active LED on side of module			
<b>SDI Output</b>	2 x SDI video on 75 Ohm BNC connectors		
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI		
	Multi-standard operation from 270Mbit/s to 3Gbit/s		
	Multirate reclocking: 270Mbit/s - 1.5Gbit/s - 3Gbit/s		
<b>Electrical Return Loss:</b>	to 1.5GHz:	>15dB	
	to 3GHz:	>10dB	
<b>Power</b>	+12V DC @ 1.9W nominal - ( supports 7 - 24V DC input range )		
	Power LED on side of module		
<b>Physical</b>	Size	140mm x 42mm x 22mm (incl.connectors) (5.51" x 1.65" x 0.86")	
	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, SFP Module, AC power supply		

## Fiber Adapter Options

These adapter kits allow the use of ST, SC or FC fiber connections on the module.



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



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



Model# **LC/FC DUP**  
LC/PC to FC/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.

