

## Dual Channel 12G Fiber to SDI Receiver

- Dual channel
- Supports 12G, 6G, 3G, 1.5G, 270M SDI standards
- Supports SDI video inputs up to 12G (4096x2160 @ 60Hz)
- Auto relocking 270Mbit/s, 1.5Gbit/s, 3Gbit/s, 6Gbit/s, and 12Gbit/s
- 3G Level A and Level B (support for all formats)
- Error free optical reception
- 1260nm to 1620nm wavelength input range
- Up to 10km (6.2 miles) @ 12Gbit/s (singlemode)
- 2x fiber optic inputs (LC Connector - singlemode)
- Supports hot swapping and hot plugging

The ORR 1402 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 1412, OTX1410, OTX1440, etc.) the user will have a very cost-effective optical transmitter/receiver system for signals up to 12G (4096x2160 @ 60Hz), while preserving full uncompressed quality.

The ORR 1402 has two completely independent channels and each will auto-detect and re-clock any 270Mbit/s, 1.5Gbit/s, 3Gbit/s, 6Gbit/s, or 12Gbit/s SDI fiber source prior to electrical conversion. The module is fully compatible with 3G Level A and Level B formats.

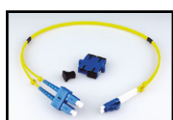


### Technical Specifications

<b>Fiber Input</b>	2 x fiber optic input (one for each channel) Duplex (singlemode) LC/PC connection				
	SMPTÉ 2082-1, SMPTÉ 2081-1, SMPTÉ 424M, SMPTÉ 292M; SMPTÉ 259M				
	Wavelength: 1260nm to 1620nm				
	RX Sensitivity	-9dBm @ 12Gbit/s	-10dBm @ <12Gbit/s		
2x RX active LED on side of module					
<b>SDI Output</b>	2 x SDI video on 75 Ohm BNC connectors				
	SMPTÉ 2082-1, SMPTÉ 2081-1, SMPTÉ 424M, SMPTÉ 292M; SMPTÉ 259M				
	Multi-standard operation from 270Mbit/s to 12Gbit/s				
	Multirate relocking: 270Mbit/s - 1.5Gbit/s - 3Gbit/s - 6Gbit/s - 12Gbit/s				
<b>Power</b>	Electrical Return Loss:	to 1.5GHz: >15dB	to 3GHz: >10dB	to 6GHz: >7dB	to 12GHz: >4dB
	+12V DC @ 1.9W nominal - ( supports 7 - 24V DC input range )				
	Power LED on side of module				
<b>Physical</b>	Size (incl. connectors)	140mm x 42mm x 22mm (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 1402	EAN# 4250479326484			
<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.

