

## 12G, 6G, 3G, 1.5G Fiber Optic to SDI Receiver

- Supports 12G, 6G, 3G and 1.5G SDI video standards
- 3Gbit Level A and Level B (support for all formats)
- Auto reclocking 1.5Gbit / 3Gbit / 6Gbit / 12Gbit
- Error free optical transmission
- Two reclocked SDI outputs
- LC/PC connection
- Singlemode fiber connection
- Input range 1260nm to 1620nm
- Hot swappable and hot pluggable



The ORX 1400 is a compact SDI to fiber optic Receiver designed to combat the restrictions involved with the distribution of uncompressed, high bandwidth, broadcast quality video signals over long distances.

When paired with the fiber optic to SDI transmitter (e.g. yellobrik OTX 1410) you have a very cost-effective optical transmission / receiver system for signals up to 12Gbit/s (4096x2160 @ 60Hz), while preserving full uncompressed quality.

Operation of the ORX 1400 is fully automatic. The SDI video format is automatically detected, reclocked and provided on two SDI output connections.

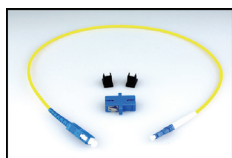
The ORX1400 supports 12G, 6G, 3G and 1.5G SDI video standards.

### Technical Specifications

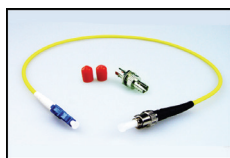
<b>Optical Input</b>	1 x fiber optic input Simplex LC/PC connection
	SMPTE 297M - 2006
	Input range (wavelength) 1260nm to 1620nm
	RX sensitivity -2dBm to -10dBm
	RX active LED on side of module
<b>SDI Outputs</b>	2x SDI video on 75 Ohm BNC connector
	SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M
<b>Power</b>	Multi-standard operation from 1.5Gbit/s to 12Gbit/s
	Multirate reclocking: 1.5Gbit - 3Gbit - 6Gbit - 12Gbit
<b>Physical</b>	+12VDC @ 2.2W nominal - (supports 7 - 24VDC input range)
	Size: 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") including connectors Weight: 125g (4.4oz)
<b>Ambient</b>	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
<b>Model #</b>	ORX 1400 - (EAN# 4250479324732)
<b>Includes</b>	Module, AC power supply

### Fiber Adapter Options (singlemode)

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 SIM**  
LC/PC to SC/PC Adapter



Model# **LC/ST SIM**  
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