

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

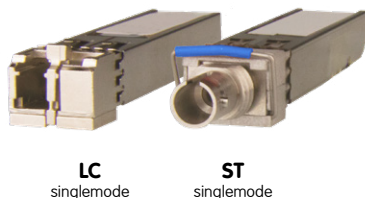
- Supports 12G, 6G, 3G, 1.5G, and 270M SDI video standards
- 3G Level A and Level B (support for all formats)
- Auto reclocking 270Mbit/s, 1.5Gbit/s, 3Gbit/s, 6Gbit/s, and 12Gbit/s
- Error free optical transmission
- Two reclocked SDI outputs
- LC/PC and ST/PC connection variants
- Singlemode fiber connection
- 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 12G (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 ORX 1400 supports 12G, 6G, 3G, 1.5G and 270M SDI video standards and is available in LC and ST variants.



LC
singlemode

ST
singlemode

Using the same basic module we provide two versions suitable for LC or ST singlemode fiber connections. Each version has a different SFP installed.



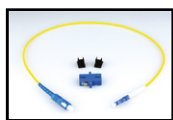
ORX 1400 LC Version Shown

Technical Specifications

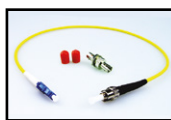
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|-------------|--|--|------------------|-----------------|------------------|
| Fiber Input | 1 x fiber optic input Simplex (singlemode) LC/PC, ST/PC connection | | | | |
| | SMPTE 297M - 2006 | | | | |
| | Wavelength: | 1260nm to 1620nm | | | |
| | RX Sensitivity | -2dBm to -10dBm | | | |
| | RX active LED on side of module | | | | |
| SDI Output | 2 x SDI video on 75 Ohm BNC connectors | | | | |
| | SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI | | | | |
| | Multi-standard operation from 270Mbit/s to 12Gbit/s | | | | |
| | Multirate reclocking: 270Mbit/s - 1.5Gbit/s - 3Gbit/s - 6Gbit/s - 12Gbit/s | | | | |
| | Electrical Return Loss: | to 1.5GHz: >15dB | to 3GHz >10dB | to 6GHz >7dB | to 12GHz >4dB |
| Power | +12V DC @ 2W nominal - (supports 7 - 24V DC input range) | | | | |
| | Power LED on side of module | | | | |
| Physical | Size (incl.connectors) | 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") | | | |
| | Weight | 125g (4.4oz) | | | |
| Ambient | 5 - 40°C (41 - 104°F) 90% Humidity (non condensing) | | | | |
| Model # | ORX 1400 LC | EAN# 4250479324732 | | | |
| | ORX 1400 ST | EAN# 4250479327658 | | | |
| Includes | Module, SFP Module, AC power supply | | | | |

Fiber Adapter Options

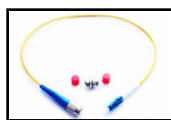
These adapter kits allow the use of ST, SC or FC fiber connections on the module.



Model# LC/SC SIM
LC/PC to SC/PC Adapter



Model# LC/ST SIM
LC/PC to ST/SC Adapter



Model# LC/FC SIM
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.

