

3Gbit Fiber Optic to SDI Receiver

- Supports SDI video up to 3Gbit/s (1080p60)
- Error free optical reception
- Simplex LC optical input connection
- Supports hot swapping and hot plugging



The ORX 1800 is a compact fiber optic receiver designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

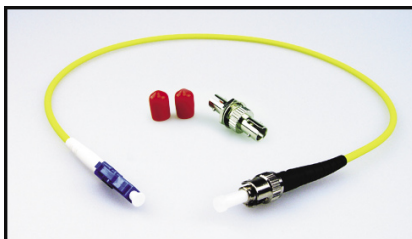
When paired with the fiber optic transmitters (yellobrik OTX 1810 or OTX 1840) this module provides a very cost effective optical transmission / receiver system for signals up to 1080p60 (3Gbit/s), while preserving full uncompressed quality.

The ORX 1800 is compatible with any video signal according to SMPTE 424M, SMPTE 292M and SMPTE 259M standards, as well as DVB-ASI.

Technical Specifications

Optical Input	1 x fiber optic Input Simplex (Singlemode) using LC/UPC Connector
	SMPTE 297M - 2006
	Hot pluggable
	Input range (wavelength) 1260nm to 1620nm
	RX sensitivity -3dBm to -19dBm
	RX active LED on side of module
SDI Output	Singlemode fiber
	1 x SDI video on 75 Ohm BNC connector
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 3Gbit/s
Power	Return Loss: > 15dB to 1.5GHz and > 10dB up to 3GHz
	+12VDC power supply (included) (supports external power input from 9 - 14 VDC) Power LED on side of module
Size	105mm x 40mm x 22mm (4.13" x 1.57" x 0.86")
Model #	ORX 1800
Includes	Module, 12V DC power supply and wall mounting brackets (fiber optic cable not included)

Option



LC/ST SIM: Simplex LC to ST Adapter Kit

This option allows the connection of a ST fiber connection to the ORX 1800 and includes a 0.5m (19.6") tail and a ST/ST sex changer. Adapter cable introduces less than 0.25dB attenuation.

Fiber Optic Connection

LC to LC Simplex (single mode) up to 10Km (6.2 miles)
(not included)

