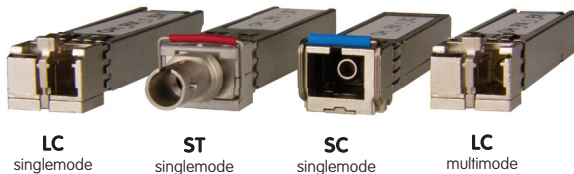


## 3Gbit Fiber Optic to SDI Receiver

- Supports SDI video up to 3Gbit/s (1080p60)
- 2 x SDI outputs
- Error free optical reception
- Versions for LC, ST or SC fiber connections
- Multimode version available
- Input range 1260nm - 1620nm (singlemode)
- Input range 780nm - 880nm (multimode)
- Supports hot swapping and hot plugging



Using the same basic module we provide four versions suitable for LC, ST or SC singlemode fiber connections, as well as a version for multimode fiber. Each version has a different SFP installed.

The ORX 1802 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 (e.g. yellobrik OTX 1812 or OTX 1842) 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 1802 provides two SDI outputs and support for LC, ST or SC singlemode fiber connections as well as an LC version suitable for multimode fiber.

The ORX 1802 is compatible with any video signal according to SMPTE 424M, SMPTE 292M and SMPTE 259M standards, as well as DVB-ASI.



ORX 1802 LC Version Shown

## Technical Specifications

<b>Fiber Input singlemode</b>	1 x fiber optic Input LC, ST or SC connection
	SMPTE 297M - 2006
	Input range (wavelength) 1260nm to 1620nm
	RX sensitivity -3dBm to -19dBm
	RX active LED on side of module
<b>Fiber Input multimode</b>	1 x Fiber Optic Input LC Connection
	SMPTE 297M - 2006
	Input range (wavelength) 780nm to 880nm
	RX sensitivity 0dBm to -15dBm
	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
	Return Loss: > 15dB to 1.5GHz and > 10dB up to 3GHz
<b>Power</b>	+12VDC power supply (included) Supports external power input from 9 - 14 VDC Power LED on side of module Power Consumption 1.4W
<b>Size</b>	105mm x 40mm x 22mm ( 4.13" x 1.57" x 0.86")
<b>Model #</b>	ORX 1802 LC, ORX 1802 ST, ORX 1802 SC (singlemode) ORX 1802 MM (multimode)
<b>Includes</b>	Module, 12V DC power supply and plastic transport case

Specifications subject to change