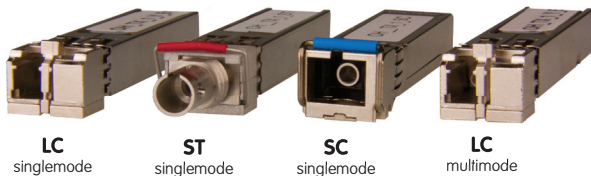


3Gbit SDI to Fiber Optic Transmitter

- Supports SDI video inputs up to 3Gbit/s (1080p60)
- Auto reclocking 270Mbit / 1.5Gbit / 2.97Gbit
- Error free optical transmission
- Reclocked SDI loop out connection
- Versions for LC, ST or SC fiber connections
- Multimode version available
- Up to 10km (6.2 miles) @ 3Gbit/s (singlemode)
- Up to 300m (984 feet) @ 3Gbit/s (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 OTX 1812 is a compact SDI to fiber optic transmitter designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

When paired with the fiber optic to SDI receiver (e.g. yellobrik ORX 1802) you have a very cost effective optical transmission / receiver system for signals up to 1080p60 (3Gbit/s), while preserving full uncompressed quality.

The OTX 1812 provides a looping SDI input and support for LC, ST or SC singlemode fiber connections as well as an LC version suitable for multimode fiber.

The OTX 1812 will auto-detect any connected video signal from 270Mbit/s to 3Gbit/s according to SMPTE 424M, SMPTE 292M and SMPTE 259M standards, as well as DVB-ASI.



OTX 1812 LC Version Shown

Technical Specifications

SDI Input	1 x SDI video input 1 x SDI reclocked loop output 75 Ohm BNC connectors
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 3Gbit/s
	Multirate reclocking 270Mbit/s - 1.48Gbit/s - 2.97Gbit/s
	Return Loss: > 15dB to 1.5Gbit and > 10dB up to 3Gbit
	Automatic cable EQ (Belden 1694A cable) 250m @ 270Mbit/s, 140m @ 1.5Gbit/s, 80m @ 3Gbit/s
Fiber out Singlemode	1 x fiber optic singlemode output LC, ST or SC connection
	SMPTE 297M - 2006
	Wavelength 1310nm, Optical power -5dBm
	TX active LED on side of module
	Max. distance 10km (6.2 miles) @ 3Gbit/s (Singlemode)
Fiber out Multimode	1 x fiber optic multimode output LC connection
	SMPTE 297M - 2006
	Wavelength 850nm, Optical power -5dBm
	TX active LED on side of module
	Max. distance 300m (984feet) @ 3Gbit/s (Singlemode)
Power	+12VDC power supply (included) Supports external power input from 9 - 14 VDC Power LED on side of module Power Consumption 1.6W
Size	105mm x 40mm x 22mm (4.13" x 1.57" x 0.86")
Model #	OTX 1812 LC, OTX 1812 ST, OTX 1812 SC (singlemode) OTX 1812 MM (multimode)
Includes	Module, 12V DC power supply and plastic transport case

Specifications subject to change