

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

- Supports 12G, 6G, 3G, 1.5G and 270M SDI video inputs
- 3G Level A and Level B (support for all formats)
- Auto reclocking 270M, 1.5Gbit/s, 3Gbit/s, 6Gbit, and 12Gbit/s
- Error free optical transmission
- Reclocked SDI loop out connection
- LC and ST connection variants
- Singlemode fiber connection
- Up to 10km* (6.2 miles) @ 12Gbit/s with OTX 1410 LC and ST variant
- Up to 40km* (24.8 miles) @ 12Gbit/s with OTX 1410 LC-40 variant
- Hot swappable and hot pluggable

The OTX 1410 is a compact SDI to fiber optic transmitter 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 receiver (e.g. yellobrik ORX 1400) you have a very cost-effective optical transmitter/receiver system for signals up to 12G (4096x2160 @ 60Hz) while preserving full, uncompressed quality.

The operation of the OTX 1410 is fully automatic. The SDI video format is automatically detected, reclocked, and then transmitted over the fiber optic connection. A reclocked electrical SDI output is also provided.

The OTX 1410 supports 12G, 6G, 3G, 1.5G and 270M SDI video standards and is available in LC, LC-40, and ST variants.

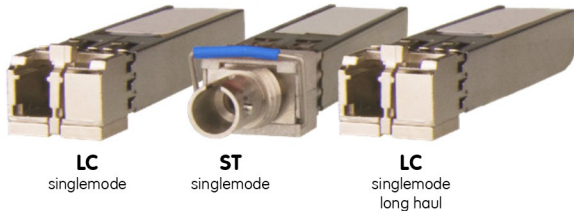


OTX 1410 LC Version Shown

Technical Specifications

SDI Video	1x SDI input on 75 Ohm BNC connector 1x SDI output reclocked loop on 75 Ohm BNC connector SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M Multi-standard operation from 270Mbit/s to 12Gbit/s Multi-rate reclocking: 1.5Gbit/s to 12bit/s				
	Electrical Return Loss:	to 1.5GHz >15dB	to 3GHz >10dB	to 6GHz >7dB	to 12GHz >4dB
	Automatic cable EQ:	1.5Gbit/s 220m	3Gbit/s 150m	6Gbit/s 90m	12Gbit/s 80m
		Belden 1694A cable		Belden 4794R cable	
Optical Output	1 x fiber optic output Simplex (singlemode) using LC/PC Connection SMPTE 297M - 2006 Wavelength: 1310nm Optical power: -3dBm (typ.) TX active LED on side of module Max. distance* OTX 1410 LC/ST max. 10km @ 12Gbit/s OTX 1410 LC-40 max. 40km @ 12Gbit/s				
Power	+12V DC @ 2.0W 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 #	OTX 1410 LC	EAN# 4250479324756			
	OTX 1410 LC-40	EAN# 4250479328495			
	OTX 1410 ST	EAN# 4250479327641			
Includes	Module, SPF module, AC power supply				

*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.



Using the same basic module we provide three versions suitable for LC or ST singlemode fiber connections, one of which being a long haul 40km* fiber transmissions. Each version has a different SPF installed. See Model# in the Technical Specifications table for more information.

