

Dual Channel 3Gbit SDI to Fiber Transmitter

- Supports SDI video inputs up to 3Gbit/s (1080p60)
- Dual Channel
- Error free optical transmission
- Up to 10km (6.2 miles) @ 3Gbit/s
- Duplex LC optical connection
- Supports hot swapping and hot plugging

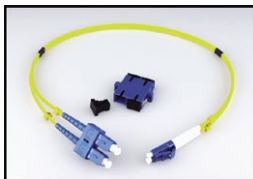


The OTT 1812 is a compact dual channel SDI to fiber optic transmitter designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

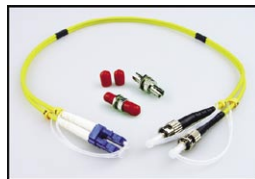
When paired with the dual channel fiber optic to SDI receiver (yellobrik ORR 1802) you have a very cost effective dual channel optical transmission / receiver system for signals up to 1080p60 (3Gbit/s), while preserving full uncompressed quality.

Each channel is fully independent and 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.

Options



LC/SC DUP - LC to SC Adapter



LC/SC DUP - LC to ST Adapter

These adapters allow the use of ST or SC fiber connections on the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.

Technical Specifications

Input	2 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
	Multirate reclocking 270Mbit/s - 1.48Gbit/s - 2.97Gbit/s
	Return Loss: > 15dB to 1.5GHz and > 10dB up to 3GHz
Optical Outputs	Automatic cable EQ (Belden 1694A cable) 250m @ 270Mbit/s, 140m @ 1.5Gbit/s, 80m @ 3Gbit/s
	2 x fiber optic outputs Simplex (single mode) using LC Connector
	SMPTE 297M - 2006
	Wavelength 1310nm (each channel)
	Optical power -5dBm (each channel)
Power	TX active LEDs on side of module
	Max. distance 10km (6.2 miles) @ 3Gbit/s (Singlemode)
	+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 #	OTT 1812
Includes	Module, 12V DC power supply and wall mounting brackets (fiber optic cable not included)

Fiber Optic Connection

LC to LC Duplex (Singlemode) up to 10km (6.2 miles)
(not included)



Specifications subject to change