

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/PC single mode optical connection
- Supports hot swapping and hot plugging

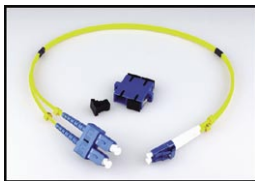


The OTT 1812 is a compact dual channel SDI to fiber optic transmitter designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

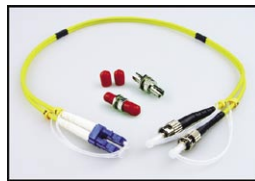
When paired with the dual channel fiber optic to SDI receiver (e.g. yellobrik ORR 1802) you have a very cost effective dual channel optical transmission / receiver system for signals up to 1080p60 (3Gbit/s), while preserving full uncompressed quality.

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



Model# **LC/SC DUP**
LC/PC to SC/PC Adapter



Model# **LC/ST DUP**
LC/PC to ST/SC Adapter

These adapters allows 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 Automatic cable EQ (Belden 1694A cable) 250m @ 270Mbit/s, 140m @ 1.5Gbit/s, 80m @ 3Gbit/s
Optical Outputs	2 x fiber optic outputs Duplex (single mode) using LC/PC Connections SMPTE 297M - 2006 Wavelength 1310nm (each channel) Optical power -5dBm (each channel) TX active LEDs on side of module Max. distance 10km (6.2 miles) @ 3Gbit/s (Single mode)
Power	+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 Duplex (Singlemode) up to 10km (6.2 miles)
(not included)



Specifications subject to change