



FiberLink 12G SDI Optical Fiber Extender/Transceiver



The Fiberlink 3312 is a 12G SDI optical extender for high resolution 4K video for broadcast applications

The 3312 is a compact, but powerful fiber optic link capable of extending high resolution video for 4K broadcast applications. Extend signals from 270 Mbps to 12 Gbps up to 10 km on a single SM fiber. Meets SMPTE SDI standards maintaining error free transmission of SMPTE 424M, 297M, 292M, 259M, 2081, 2082 and ASI over the entire 10 km distance. Additionally, the Fiberlink 3312 provides error free transmission with RP-198 pathological patterns. The units are built with a solid stand-alone compact enclosure with mounting flanges, making it the perfect solution for OB trucks, remote broadcast or any other application that might need a “throw down”, wall mount or shelf mounted fiber optic link. The units include 12 VDC, 1A power supplies and have a mini-XLR locking power connector for a more secure connection.

FUNCTIONS

- 12G-SDI long distance extension
- Bidirectional transmission supported
- One LC optical connection needed for one-way transmission
- Resolution support for 4K broadcast
- Data rate from 270 Mbps up to 12G-SDI
- Up to 10 km on one SM fiber
- Compact flange-mount design

FEATURES

Video Specifications

- SMPTE 2082, 2081, 424M, 297M, 292M, 259M support
- SDI loop-out on transmitter for local monitoring
- Dual SDI output on receiver

Optical Specifications

- Up to 10 km distance
- 1310nm wavelength (Tx)
- 1260 to 1620nm wavelength (Rx)
- Optical output power of -5 to +5 dBm
- Optical input power of -10dBm

SPECIFICATIONS

Environmental

Operating Temperature	0 to 50°C
Ambient storage temperature	-20 to 70°C
Relative humidity	0 to 95% (non-condensing)
Power consumption	<3 Watts

Physical

Dimensions (Lx W x H)	4.92" x 4.33" x 1.16"
Weight	8 ounces
Mounting	Flange mount
Enclosure type	Stand-alone
Optical Connectors	LC
SDI input and output	BNC (75 ohm)
Power Supply	12 VDC, 1A

Video Specifications

Resolution support	Up to 4K2Kp60
Reclocking (auto)	270Mbps, 1.485, 2.97, 5.94, 12Gbps
Output	Tx: 1 reclocked output Rx: Dual reclocked outputs

Regulatory Conformance

Compliance:	CSA 60950, IEC/EN60950, EN55022 FCC Part 15 (Class A), CISPR 22
-------------	--



UPDATED 10/7/2019
All specifications subject to change without notice. ©2019

Ordering Information

Part Number	Description
3312-B7L-KIT	12G/6G/3G/ASI over fiber (includes 2 Transceivers, 2 power supplies and 2 SFP's)

Sales

T: +1 978-263-5775
sales@artel.com
customercare@artel.com
www.artel.com