



### Features

- Quad-link 3G-SDI long distance extension
- Resolution support for 1080p60 broadcast
- Data rate from 270 Mbps up to 3G-SDI
- MM or SM operation
- Up to 30Km on one SM fiber
- 4 channels on one ST optical connection
- SMPTE 424M, 292M, 259M & ASI compliant
- Error free transmission of pathological test patterns
- Stand-alone or rack mount

The OTR-304 is a compact, cost effective fiber optic extender pair capable of extending up to 4ch's of 270 Mbps up to 3 Gbps over 30 Km on one SM fiber. Meets SMPTE SDI standards maintaining error free transmission of SMPTE 424M, 292M, 259M and ASI over the entire 30 Km distance. The OTR-304 provides error free transmission with RP-198 pathological patterns. The units come standard as stand-alone units, however, using model OTR-1U-C or OTR-4U-C they can also be mounted in a 1U (up to 4 units) or 4U (up to 16 units) chassis with redundant power supplies. The flexible design of the OTR 30x series makes it the perfect solution for any application that needs rack mounting or stand-alone units. The OTR-304 has an extended temperature range making it a good solution for mounting in NEMA enclosures.



**Advanced technologies that connect your AV Network**

# OTR-304

Quad (4ch) 3G-SDI over 1 fiber

## Models

Model	Description
OTR-304	Fiber optic extender link (tx & rx), Quad-link 3G-SDI supporting 4K, Resolution support for each channel 1080p60 broadcast transmission, Data rate from 270 Mbps up to 3 Gbps, Meets SMPTE 42M, 292M, 259M and ASI, 12 VDC@1.5A power supply included, Stand-alone or rack mount
OTR-304-C (rack mount version)	

## Specifications

Video Specifications	
SMPT E Compliance	424M, 292M, 259M & DVB-ASI
Data Rate	270 Mbps up to 2.97 Gbps
Resolution Support	Up to 1080p60 per channel
Pathological Test	RP-198 (immune)
Input/output Impedance	75 Ohm
Optical Specifications	
Distance	Up to 30 Km
Wavelength (Tx)	1310nm
Optical Output Power (Tx)	-7 to +3 dBm
Wavelength (Rx)	1270 to 1610nm
Optical Input Power (Rx)	0 dBm max -22 dBm @ 2.97 Gbps
Fiber Type	SM
Fiber Connector	ST
Mechanical Specification	
Enclosure type	Stand-alone
Dimensions (L x W x H)	7" x 5.8" x 1"
Weight	7.4 oz
Power Specifications	
Power Supply	12 VDC@1.5A
Power Consumption	3 Watts (max)
Environmental Specification	
Operating Temperature	-20 to +75 C
Relative Humidity	0 to 90%, non-condensing
Storage Temperature	-20 to +85 C

