

3G-SDI WITH AUDIO & SERIAL DATA OVER 1 FIBER



Features

- 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
- Video, audio and data on one ST optical connection
- SMPTE 424M, 292M, 259M & ASI compliant
- Error free transmission of pathological test patterns
- Duplex analog audio & RS-422/485
- Stand-alone or rack mount

The OTR-301-AD is a compact, cost effective fiber optic extender pair capable of extending HD video up to 3G-SDI with bi-directional analog audio and serial data over fiber. Extend signals from 270 Mbps up to 3 Gbps over 30 Km on a single 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-301-AD provides error free transmission with RP-198 pathological patterns. Along with SDI video, bi-directional analog audio and RS-422/485 serial data are sent on the same fiber. 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 any application that needs rack mounting or stand-alone units. The OTR-301-AD has an extended temperature range making it a good solution for mounting in NEMA enclosures.



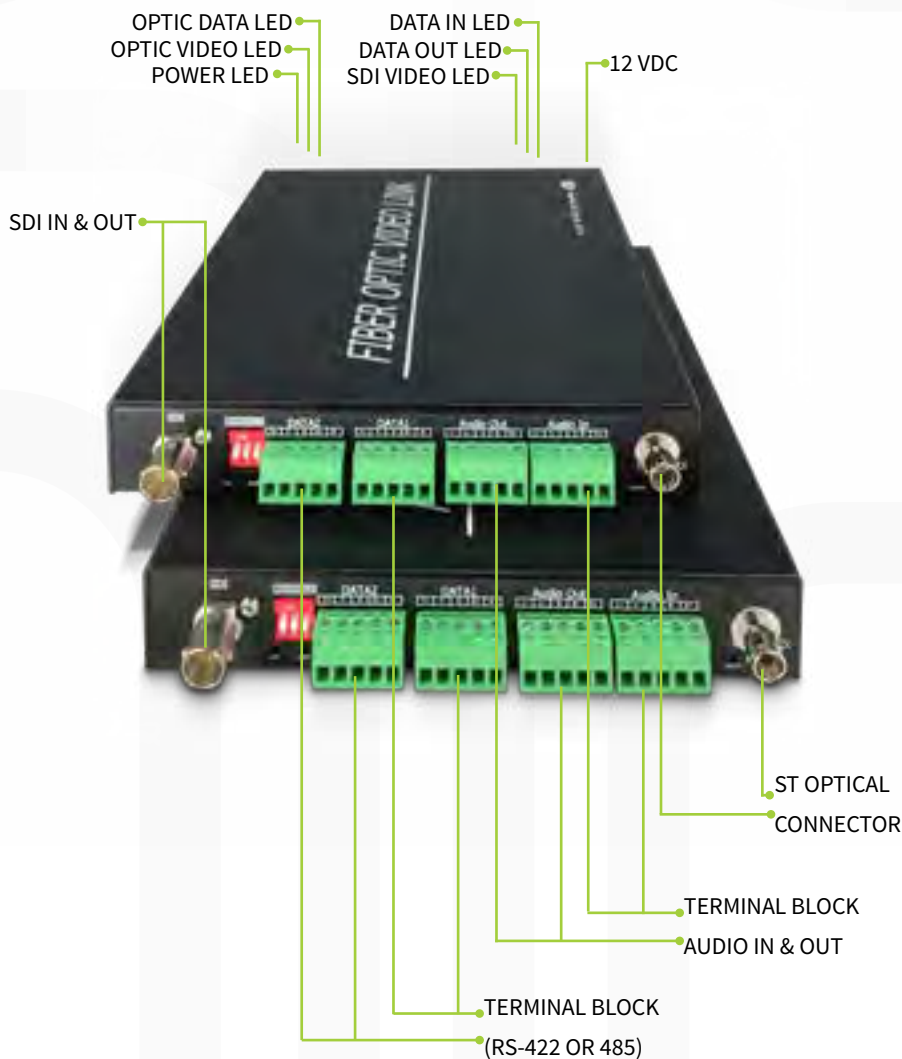
Advanced technologies that connect your AV Network

OTR-301-AD

3G-SDI with audio & serial data over 1 fiber

Models

| Model | Description |
|--------------------------------------|---|
| OTR-301-AD | Fiber optic extender link (tx & rx), Resolution support for 1080p60 broadcast transmission, Data rate from 270 Mbps up to 3 Gbps, Meets SMPTE 42M, 292M, 259M and ASI, Bi-directional analog audio & RS-422/485, 12 VDC@1.5A power supply included, Stand-alone or rack mount |
| OTR-301-AD-C (rack mount version) | |



Specifications

| Video Specifications | |
|-----------------------------|----------------------------------|
| SMPTE Compliance | 424M, 292M, 259M & DVB-ASI |
| Data Rate | 270 Mbps up to 2.97 Gbps |
| Resolution Support | Up to 1080p60 |
| 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 |
| Data Specifications | |
| Data Rate | DC to 115.2 Kbps |
| Data Type | RS-422 or 485 |
| Connector Type | Terminal Block |
| Audio Specification | |
| Bandwidth | 20Hz to 20KHz |
| SNR | >80 dB |
| Connector Type | Terminal Block |
| 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 | 12VDC@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 |