



◆ 3G-SDI To Fiber Converters +1 RS485, 3G, Uncompressed

➤ Features

- Support 3G-SDI video and audio transmission
- Automatic adapt to 3G-SDI 2.97Gbit
- Support 1 ways reverse RS485 data control.
- built in equalizer, reclocker, cable driver
- High compatibility, can auto-match source and display device
- Built-in ESD protection system
- Simple to install, plug and play



➤ Introduction

It is a 3G-SDI transmitter and receiver is the low cost transfer device for one way 3G-SDI video by single mode and multimode optical fiber cable transfer. 3G-SDI transmitter and receiver is designed by digital optical transfer technology, transfer long distance one way 3G-SDI video signal, one way reverse 485 control signal on one single mode optical fiber.

Support SMPTE292M.SMPTE259M.SMPTE424 signal. The device comprise of transmitter and receiver: transmitter convert SDI signal to optical signal; receiver convert optical signal to SDI signal and output.

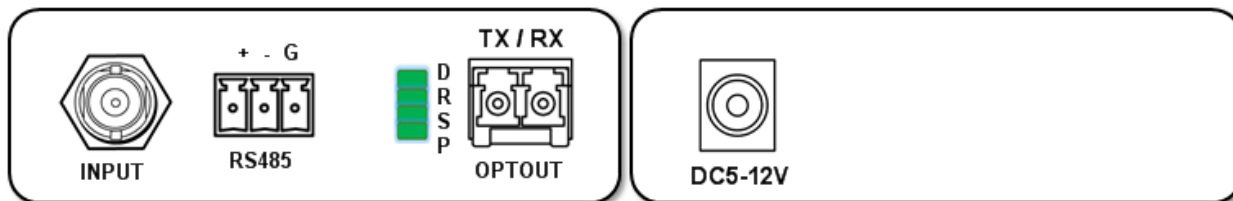
➤ Application



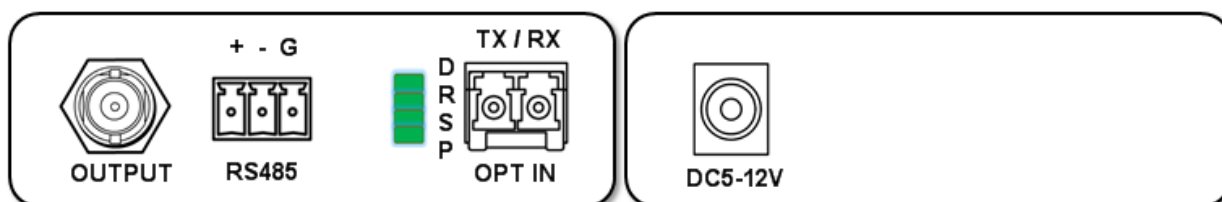
➤ Specification

| Video | |
|-----------------------|--|
| Connector | BNC |
| Interface bandwidth | 1.4835Gbps,1.485Gbps,2.967Gbps,2.97Gbps |
| Impedance | 75Ω |
| Resolution range | 1920*1080@30Hz; 1920*1080@25Hz; 1920*1080@24Hz; 1280*720@60Hz; 1280*720P@50Hz; 525i; 625i |
| RS485 | |
| Interface | Industrial terminal |
| Baud rate | Self-adaptive, Max: 115200bps |
| Optical fiber | |
| Interface | LC connector |
| Fiber type | Single-mode, single fiber |
| Wavelength | Single-mode 1310nm |
| Interface bandwidth | 2.97Gbps |
| Transmission distance | standard 10Km |
| Other | |
| Power supply | DC 5-12V |
| Power dissipation | MAX 2.5W |
| LED indicator | D: RS485 connection indicator S: Video signal lock indicator R: System status indicator P: System power indicator |
| Temperature | Operating: -5℃ ~ +70℃ |
| Humidity | Operating: 5% ~ 90% |
| Dimension | 118*90*25mm |
| The warranty | 1 year free warranty |

➤ Panel



Transmitter



Receiver

➤ Packing List

- 3G-SDI optical fiber transmitter ×1
- 3G-SDI optical fiber receiver ×1
- Fiber optic module×2
- Power adapter×2
- User manual ×1