# OG-FiDO-T-12G-ST

The OG-FiDO-T-12G-ST is a state of the art, openGear compatible 12G-SDI to Fiber converter, enabling 12G-SDI signals to be extended up to 10 km (32,808 ft) over standard single mode fiber optic cable. The 12G-SDI input is reclocked with best in class input jitter tolerance. A reclocked looping 12G-SDI output is also provided. The OG-FiDO-T-12G-ST offers a locking ST barrel connector for secure connectivity, advantageous in many live event, production, and mobile environments.

AJA openGear OG-FiDO products are designed for use in high density openGear 2RU frames, including AJA's OG-X-FR frame, with industry standard DashBoard software support on Windows®, macOS®, and Linux®, offering remote control and monitoring over a PC or local network.

https://www.aja.com/products/og-fido-t-12g-st

**$1135** US MSRP

## Video Formats

- 270 Mbps - 12 Gbps, format agnostic

## Video Input Digital

- 1-channel 12G-SDI BNC connector, SMPTE 259/292/424/2081/2082

## Video Output Digital

- 1-channel 12G-SDI reclocked, loop out, BNC connector, SMPTE 259/292/424/2081/2082
- 1-channel 12G-SDI Single Mode ST Fiber connector, SMPTE 297/259/292/424/2081/2082
- Nominal Wavelength: Tx 1260 nm (Min), 1310 nm (Typ), 1360 nm (Max)
- Optical Power: -5 dBm (Min), 2 dBm (Max)
- Extinction Ratio: 3.5 (Min)

## Reclocking

- 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.967 Gbps, 2.970 Gbps, 5.934 Gbps, 5.940 Gbps, 11.868 Gbps, 11.880 Gbps - Auto Select
- All other rates are passed through and not reclocked

## User Interface

- openGear DashBoard network control software via Windows, macOS, or Linux

## Size

- openGear standard form factor, front slot and rear card
- Two slots required for each card

## Weight

- 0.5 lb (0.3 kg)

## Power

- openGear frame compatible, 3.0 watts max per card

## Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)