



OG-FiDO-2T-12G

The OG-FiDO-2T-12G is a state of the art, openGear compatible, 2-channel 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 two 12G-SDI inputs are completely independent, allowing different 12G-SDI rates to be carried on each channel.

\$1,863 US MSRP

Designed for use in high density openGear's 2RU frames including AJA's OG-X-FR frame, new DashBoard Software support on Windows®, macOS®, and Linux® offers remote control and monitoring of the openGear architecture and provides convenient and industry standard configuration, monitoring, and control options over a PC or local network.

<https://www.aja.com/index.php/products/og-fido-2t-12g>

Video Formats

- 270 Mbps - 12 Gbps, format agnostic

Video Input Digital

- 2-channel independent 12G-SDI BNC connectors, SMPTE 259/292/424/2081/2082

Video Output Digital

- 2-channel independent 12G-SDI Single Mode LC Fiber connectors, SMPTE 297/259/292/424/2081/2082
- Nominal Wavelength: Tx 1260 nm (Min), 1310 nm (Typ), 1360 nm (Max)
- Optical Power: -5 dBm (Min), 0.5 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)