



OG-FiDO-TR-12G

The OG-FiDO-TR-12G is a state of the art, openGear compatible 12G-SDI/Fiber transceiver. Both 12G-SDI to Fiber and Fiber to 12G-SDI conversions are supported.

openGear cards offer unmatched flexibility and cost efficiency for 12G-SDI-Fiber conversion, allowing for long cable runs up to 10 km (32,808 ft) for single mode.

Designed for use in high density openGear 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/products/og-fido-tr-12g>

Video Formats

- 270 Mbps - 12 Gbps, format agnostic

Video Input Digital

- 1-channel independent 12G-SDI BNC connector, SMPTE 259/292/424/2081/2082
- 1-channel independent Single Mode LC Fiber connector, SMPTE 297/259/292/424/2081/2082
- Nominal Wavelength:
 - Rx 1260 nm (min), 1620 nm (max)
- Optical Sensitivity:
 - -10 dBm (min 6 and 12 Gbps)
 - -14 dBm (min 270 Mbps, 1.5 Gbps and 3 Gbps)
- Overload Power: -2 dBm (min)

Video Output Digital

- 1-channel independent 12G-SDI BNC connector, SMPTE-259/292/424/2081/2082
- 1-channel independent Single Mode LC Fiber connector, SMPTE-297/259/292/424/2081/2082
- Nominal Wavelength: 1260 nm (min), 1310 nm (typ), 1360 nm (max)
- Optical Power: -5 dBm (min), 2 dBm (max)
- Extinction Ratio: 3.5 dB (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 (w x d x h)

- 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 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)