



OG-FiDO-R

The OG-FiDO-R is a state of the art, openGear compatible Fiber to 3G-SDI converter, enabling 3G-SDI signals to be extended up to 10 km (32,808 ft) over standard single mode fiber optic cable. The fiber input is relocked with best in class input jitter tolerance.

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-r>

Video Formats

- 150 Mbps - 3 Gbps, format agnostic

Video Input Digital

- 1-Channel Single Mode LC Fiber connector, SMPTE-297
- Nominal Wavelength: 1260 - 1620 nm
- Optical Sensitivity: -18dBm (min)
- Overload Power: -3dBm (min)

Video Output Digital

- 1-Channel Dual matching 3G-SDI BNC Outputs, SMPTE-259/292/424

Relocking

- 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select
- All other rates are passed through and not relocked

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, 2.5 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)