



OG-FiDO-2R

The OG-FiDO-2R is a state of the art, openGear compatible, 2-channel 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 two fiber inputs are completely independent allowing different 3G-SDI rates to be carried on each channel.

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-2r>

Video Formats

- 150 Mbps - 3 Gbps, format agnostic

Video Input Digital

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

Video Output Digital

- 2-Channel independent 3G-SDI BNC Outputs, SMPTE-259/292/424

Reclocking

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

Size (w x d x h)

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

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)