



# OG-FiDO-R-12G-ST

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

**\$1135 US MSRP**

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-r-12g-st>

## Video Formats

- 270 Mbps - 12 Gbps, format agnostic

## Video Input Digital

- 1-channel 12G-SDI Single Mode ST Fiber connector, SMPTE 297/259/292/424/2081/2082
- Nominal Wavelength: Rx 1260 nm (Min), 1620 nm (Max)
- Optical Sensitivity: -10 dBm (Max) for 6 Gbps & 12 Gbps, -14 dBm (Max) for 270 Mbps, 1.5 Gbps & 3 Gbps
- Overload Power: -2 dBm (Min)

## Video Output Digital

- 1-channel dual matching 12G-SDI BNC connectors, SMPTE 259/292/424/2081/2082

## 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% non-condensing
- Operating Altitude: <3,000 meters (<10,000 feet)