FiDO-TR-12G

FiDO-TR-12G offers unmatched flexibility and cost efficiency for 12G/3G/HD/SD-SDI Fiber conversion, allowing for cable runs up to 10 km (32,808 ft) over standard single-mode fiber optic cable.

FiDO converters use a compact, low-profile enclosure that works well in tight spaces around and behind equipment racks, trucks and on camera.

https://www.aja.com/products/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:
  - Tx 1260 nm (min), 1310 nm (typ), 1360 nm (max)
  - Rx 1260 nm (min), 1620 nm (max)
- Optical Sensitivity: -10 dBm (min @12 Gbps), -14 dBm (min @ 3 Gbps)
- Optical Power: -5 dBm (min), 0.5 dBm (max)
- Overload Power: -2 dBm (min)
- Extinction Ratio: 5.4 dB (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:
  - Tx 1260 nm (min), 1310 nm (typ), 1360 nm (max)
  - Rx 1260 nm (min), 1620 nm (max)
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- Optical Power: -5 dBm (min), 0.5 dBm (max)
- Extinction Ratio: 5.4 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

Size (w x d x h)

- 4.6" x 1.71 " x.85" (117 x 43.5 x 21.6 mm)

Weight

- 0.4 lb (0.2 kg)

Power

- 4 watts (max)
- Uses 5-20VDC power (AJA power supply model DWP-U-R1 included)

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)