



# FiDO-2T-12G

FiDO-2T-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-2t-12g>

## Video Formats

- 270Mbps - 12 Gbps, format agnostic

- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)

## Video Input Digital

- 2-Channel Independent 12G-SDI BNC connectors, SMPTE 259/292/424/2081/2082

## Video Output Digital

- 2-Channel Independent Single Mode LC Fiber connectors, SMPTE 297/259/292/424/2081/2082
- Nominal Wavelength: Tx 1260 nm (min), 1310 nm (typ), 1360 nm (max)
- 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 21.6mm)

## Weight

- 0.4 lb (0.2 kg)

## Power

- 3.5 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)