



# FiDO-T-12G-ST

FiDO-T-12G-ST 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. The FiDO-T-12G-ST offers a locking ST barrel connector for secure connectivity, advantageous in many live event, production and mobile environments.

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-t-12g-st>

## Video Formats

- 270 Mbps - 12 Gbps, format agnostic

## Video Input Digital

- 1-channel independent 12G-SDI BNC connector, SMPTE 259/292/424/2081/2082

## Video Output Digital

- 1-channel 12G-SDI relocked, loop out, BNC connector, SMPTE 259/292/424/2081/2082
- 1-channel independent Single Mode ST Fiber connector, SMPTE 297/259/292/424/2081/2082
- Nominal Wavelength: Tx 1260 nm (min), 1310 nm (typ), 1360 nm (max)
- Optical Power: -5 dBm (min), 2 dBm (max)
- Extinction Ratio: 3.4 dB (min)

## Relocking

### (Fiber and BNC Outputs)

- 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 relocked

## Size (w x d x h)

- 4.6" x 1.71" x 0.85" (117 x 43.5 x 21.6mm)

## Weight

- 0.4 lb (0.2 kg)

## Power

- 2 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)