

# MINI-CONVERTERS

IN BOTH HD AND SD PRODUCT LINES™

- INDUSTRY STANDARD STAND-ALONE CONVERTERS
- COMPLETE RANGE OF HD AND SDI SOLUTIONS
- BULLET-PROOF RELIABILITY AND WORLD-CLASS SUPPORT



## FiDO

### SDI/Optical Fiber Converters

FiDO is a family of SDI/Optical Fiber converters. FiDO allows the transport of SDI, HD-SDI, and 3G SDI over distances up to 10km using standard single-mode fiber optic cable, with your choice of LC, ST, or SC connectors, depending on the converter model. FiDO converters meet all relevant SMPTE specifications and are rugged, versatile, and suitable for indoor or outdoor use.

With 9 models, FiDO offers unmatched flexibility and cost efficiency. FiDO dual channel models allow the conversion of 2 channels—perfect for 3D, dual-link SDI, or 2 completely independent SDI channels (for example, SD, HD, and 3G can be mixed in any combination). Also, FiDO converters offer electrical isolation useful for eliminating ground loop problems.

FiDO converters come in a compact, low-profile enclosure for use in tight spaces around and behind equipment racks, trucks and crowded facilities.

### FiDO - Compact, rugged SDI/Fiber Conversion



### Features

Transport of SDI, HD-SDI, and 3G HD-SDI over single mode optical fiber

Auto-detection of video format

All SDI Ancillary data including embedded audio is passed

LC, ST OR SC fiber connectors

Simplex or duplex models available

All inputs, either SDI or fiber, are equalized and re-clocked

ASI compatible

Useful for eliminating ground loop problems

5-20VDC power supply (sold separately)

5 year warranty

### FiDO Models

FiDO-R: Single channel Fiber to SDI converter with dual SDI outputs

FiDO-2R: Dual channel Fiber to SDI converter

FiDO-T: Single channel SDI to Fiber converter with looping SDI output

FiDO-2T: Dual channel SDI to Fiber converter

FiDO-TR: SDI/Fiber transceiver

FiDO-T-ST: Single channel SDI to ST Fiber converter, with looping SDI output

FiDO-R-ST: Single channel ST Fiber to SDI converter, with dual SDI outputs

FiDO-T-SC: Single channel SDI to SC Fiber converter, with looping SDI output

FiDO-R-SC: Single channel SC Fiber to SDI converter, with dual SDI outputs

### Accessories

DWP: Universal power supply (North American connector)

DWP-U: Universal power supply (IEC-320 connector)

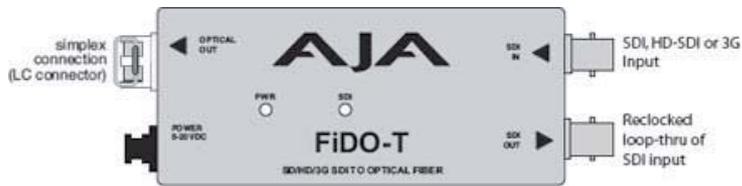
Rack mount bracket

4 pin XLR power cable



**FiDO Models**

**FiDO-T Single Channel SDI to Fiber with Looping SDI Output**



**FiDO-2T Dual Channel SDI to Fiber**



**FiDO-R Single Channel Fiber to SDI with Dual SDI Outputs**



**FiDO-2R Dual Channel Fiber to SDI**



FiDO-TR SDI/Fiber Transceiver



FiDO-T-ST Single Channel SDI to ST Fiber with Looping SDI Output



FiDO-R-ST Single Channel ST Fiber to SDI with Dual SDI Outputs



FiDO-T-SC Single Channel SDI to SC Fiber with Looping SDI Output



FiDO-R-SC Single Channel SC Fiber to SDI with Dual SDI Outputs



## FiDO Specifications

### Formats

3Gb, 1.5Gb, 270Mb, Auto Select

### Video Inputs and Outputs

SDI (SMPTE 259/292/296/424), 2x BNC

1x Single mode optical fiber, LC connector (FiDO-R, FiDO-T)

1x Single mode optical fiber, ST connector (FiDO-T-ST, FiDO-R-ST)

1x Single mode optical fiber, SC connector (FiDO-T-ST, FiDO-R-ST)

2x Single mode optical fiber, LC connectors (FiDO-2R, FiDO-2T, FiDO-TR)

### Cable Equalization (BNC inputs, 1694 coax)

270mb, 400m

1.5Gb, 200m

3Gb, 140m

### Input/Output Return Loss (BNC)

>15db, 270Mb - 3Gb

### Optical Outputs

Wavelength: 13 10 nm

Output Power: -2dBm typical

### Size

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

### Power

+5-20 VDC

1.5 watts (FiDO-T, FiDO-R, FiDO-T-ST, FiDO-R-ST, FiDO-T-SC, and FiDO-R-SC)

2.5 watts (FiDO-2R, FiDO-2T, FiDO-TR)

Requires Power Supply (AJA power supply model DWP or DWP-U recommended)

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