

## FEATURES

- ▷ Compact and Rugged Fiber Transport/conversion
- ▷ One or Two 12G and 3G SDI Models
- ▷ Genlock/Sync Model
- ▷ Ethernet fiber converter
- ▷ Single Fiber
- ▷ Locking Power connector
- ▷ Rack Mountable

## APPLICATIONS

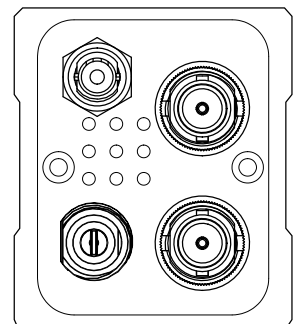
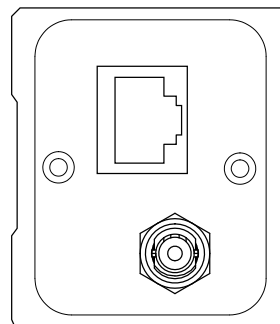
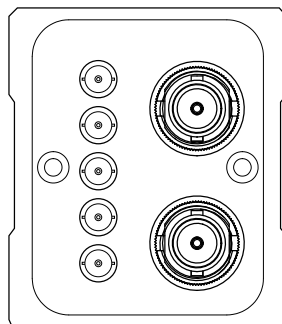
- ▷ OB and Studio Links
- ▷ Long Distance Video and Ethernet extension



The DogBone series is an ultra compact rugged suite of fiber transport products. The DogBone is currently available for 12G and 3G SDI transport, sync, as well as Ethernet. The SDI transport is available as a single, dual, and bi-directional transceiver. In

addition, the Ethernet extender comes with a two channel switch built in. Ideal for harsh environment, throw down applications, the Dog Bone is the perfect fit for fixed installs as well as for emergency patches.

## TECHNICAL SPECIFICATIONS



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Specifications subject to change without notice

Made in USA

## TECHNICAL SPECIFICATIONS

### Digital Video Interface SMPTE 259M, 344M, 292M, 424M, SMPTE ST-2081, SMPTE ST-2082, SMPTE ST-2083

Input Coax EQ

75m at 11.88Gb/s

90m at 5.94Gb/s

180m at 2.97Gb/s

240m at 1.485Gb/s

400m at 270Mb/s

Input level 100mV (peak to peak)

Impedance 75 Ohms

Bit-error rate 10<sup>-12</sup>

Jitter < 0.03IU under 1 MHz

Rise/fall times < 270ps

Return Loss >15 dB at 5 MHz - 1.485 GHz

>10 dB up to to 3 GHz

Gigabit Ethernet 10/100/1000 Mbps

Sync Analog NTSC-PAL, HDTV Tri-Level

### ELECTRO-OPTICAL

Operating Wavelengths DFB 1271-1591nm

TX Laser output power -2 - 0dBm, Class 1

Receiver Sensitivity -20 dBm

Fiber Compatibility single mode

Optical Connector ST, LC, SC

Distance limit: 20km, 40km and 80km

Mechanical, Environmental

Dimensions (LxWxH): 7.25"x5.75"x1.75"

### CONNECTOR

Video connectors: BNC

SYNC and TIMECODE: BNC

Ethernet: Dual portRJ45

Temperature Range -25° to +55°C

Humidity Range 0 to 95% RH

Noncondensing

Power Input 2.5mm jack Center pin

### POWER RATING

Video card max power: 2.12W

Ethernet card: 1.97W

SYNC card: 2.5W

## ORDERING INFORMATION

Model	Description
DB1-12G-1A-ST	12G-SDI Video Transceiver, 1 Single-mode fiber, 1310/1550nm, ST connector
DB1-12G-1B-ST	12G-SDI Video Transceiver, 1 Single-mode fiber, 1550/1310nm, ST connector
DB1-12G-2T-ST	Dual 12G-SDI Video Transmitter, 1 Single-mode fiber, ST connector
DB1-12G-2R-ST	Dual 12G-SDI Video Receiver, 1 Single-mode fiber, ST connector
DB1-12G-1T-ST	12G-SDI Video Transmitter, 1310nm, 1 fiber, ST connector
DB1-12G-1R-ST	12G-SDI Video Receiver, 1 fiber, ST connector
DB1-3G-1A-ST	3G-SDI Video Transceiver, 1 Single-mode fiber, 1310/1550nm, ST connector
DB1-3G-1B-ST	3G-SDI Video Transceiver, 1 Single-mode fiber, 1550/1310nm, ST connector
DB1-3G-2T-ST	Dual 3G-SDI Video Transmitter, 1 Single-mode fiber, ST connector
DB1-3G-2R-ST	Dual 3G-SDI Video Receiver, 1 Single-mode fiber, ST connector
DB1-3G-1T-ST	3G-SDI Video Transmitter, 1 fiber, 1310nm, ST connector
DB1-3G-1R-ST	3G-SDI Video Receiver, 1 fiber, ST connector
DB1-GL-1A-ST	Genlock/Sync Transceiver, 1 Single-mode fiber, 1310/1550nm, ST connector
DB1-GL-1B-ST	Genlock/Sync Transceiver, 1 Single-mode fiber, 1550/1310nm, ST connector
DB1-GE-1A-ST	Gigabit Ethernet Transceiver, 1 Single-mode fiber, 1310/1550nm, ST connector
DB1-GE-1B-ST	Gigabit Ethernet Transceiver, 1 Single-mode fiber, 1550/1310nm, ST connector
BONEYARD-RM	1 RU Kit for rack mounting multiple DogBones