FEATURES

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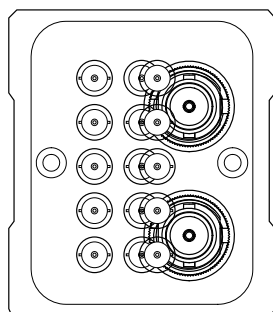▷ Locking Power connector
▷ Rack Mountable

APPLICATIONS

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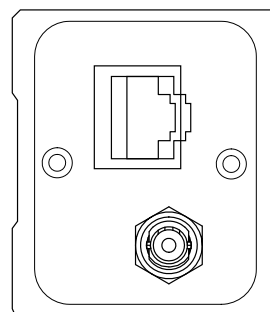▷ Long Distance Video and Ethernet extension

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 tranceiver. 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.
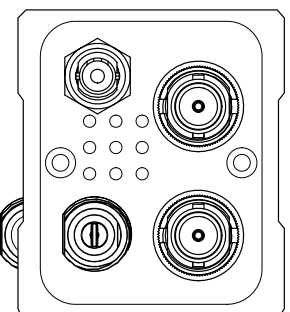
TECHNICAL SPECIFICATIONS

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MultiDyne
Fiber Optic Solutions

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)
Impedence 75 Ohms
Bit-error rate 10-12
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

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