

## 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

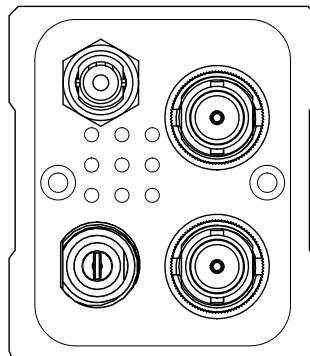


The DogBone series is an ultra compact rugged suite of fiber transport products. The DogBone is currently available for 12G and 3G SDI transport, sync, as well as Ethernet. The SDI transport is available as a single, dual, and bi-directional transceiver. In addition, the Ethernet extender comes with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

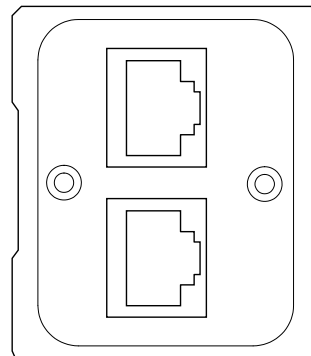
## FEATURES



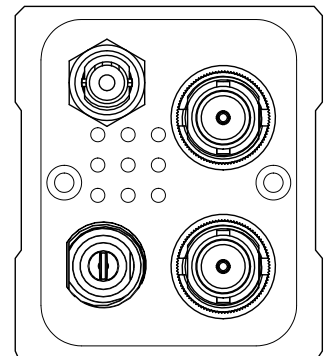
Genlock transmit and receive with loop



Ethernet



3G dual video or single video with loop bidirectional



## 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	10-12
Jitter	< 0.031U under 1 MHz
Rise/fall times	< 270ps
Return Loss	>15 dB at 5 MHz - 1.485 GHz >10 dB up to 3 GHz
Gigabit Ethernet	10/100/1000 Mbps
Sync Analog	NTSC-PAL, HDTV Tri-Level

### Electro-Optical

Wavelengths:	DFB 1271-1591nm
TX Laser Output Power	- OdBm, Class 1
Receiver Sensitivity	-20 dBm
Fiber Compatibility	single mode
Optical Connector	ST, LC, SC
Distance limit	10km, 40km (12G)

### Mechanical, Environmental

Overall Dimensions (LxWxH)	7.25"x1.5"x1.75"
Temperature Range	-25° to +55°C
Humidity Range	0 to 95% RH Non-condensing
Power Input	2.5mm jack Center pin

### Connector

Video connectors	BNC
SYNC and TIMECODE	BNC
Ethernet	Dual portRJ45

### 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