



3G-SDI Fiber Optic Extender Kit

CB-1010



The CB-1010 3G-SDI Fiber Optic Extender is a transmitter/ receiver kit supporting single-mode LC simplex fiber extensions up to 20km. It is a miniature-style extension solution that supports all SDI formats resolution up to 1080p with audio and metadata, also supports level A and level B. It features a local SDI loop out and dual SDI outputs and supports 3G/HD/SD SDI signals.

Connections

Transmitter SDI Video Input
1×SD/HD/3G-SDI(75Ω BNC)

Receiver Fiber Optical Input
SFP module with LC connector

Power LED Indicator
Power and signal status

Transmitter SDI Loop Output
1×SD/HD/3G-SDI(75Ω BNC)

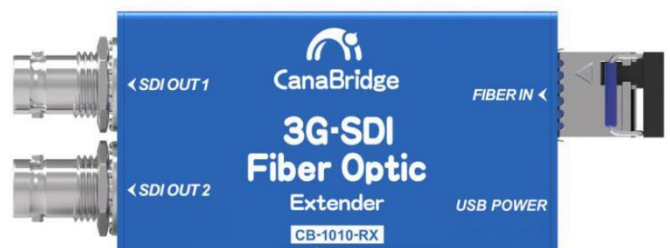
Receiver SDI Video Output
2×SD/HD/3G-SDI(75Ω BNC)

Transmitter Fiber Optical Output
SFP module with LC connector

Micro USB
Power and software update



Transmitter



Receiver

Functions and Standards

SDI Video Rate

SD/HD/3G-SDI

SDI Standard

SMPTE ST 259,
SMPTE ST 292-1,
SMPTE ST 424,
DVB-ASI

SDI Auto Switching

Automatically detects SD, HD and 3G-SDI

SDI Equalization and Re-clocking

Yes, SDI Input and output maximize performance up to 120m for 3G-SDI

SDI Audio

Supports 16-channel embedded

Optical Specifications

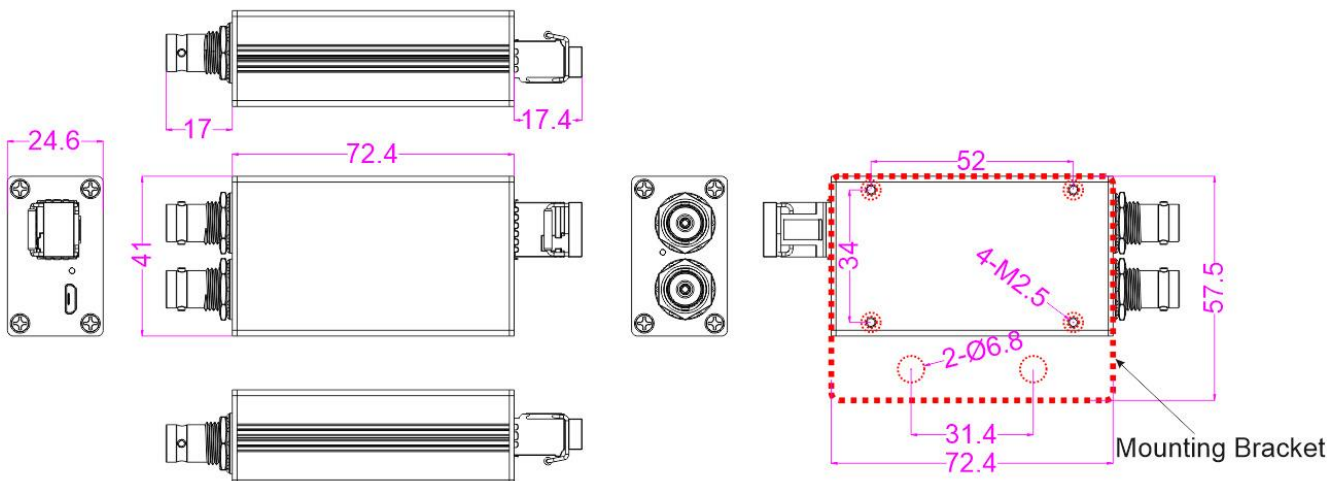
Connector:	LC
Fiber type:	Single-mode
Wavelength:	1310nm
Output power:	-6 ~ 0dBm
Receiver sensitivity:	-15dBm (Max)

Power

Power	Power Consumption	Voltage Range
Micro USB	1.5W (Max)	USB 3.3-5.5V

Physical Specifications

Dimension	Net Weight	Gross Weight
72.4×41×24.6mm	Transmitter: 115g, Receiver:115g	750g



Environmental Specifications

Operating Temperature

0°C~40°C

Storage Temperature

-10°C~70°C

Relative Humidity

0%~90% non-condensing

What's Included

CB-1010-TX (3G-SDI Fiber Optic Extender Transmitter)

CB-1010-RX (3G-SDI Fiber Optic Extender Receiver)

2pairs DC 5V Universal Power Supply with 5 International Socket Adapters

2pcs USB Cables

2pcs Mounting Brackets with 8 screws (12g/pcs)

Note: Specifications are subject to change without notice.