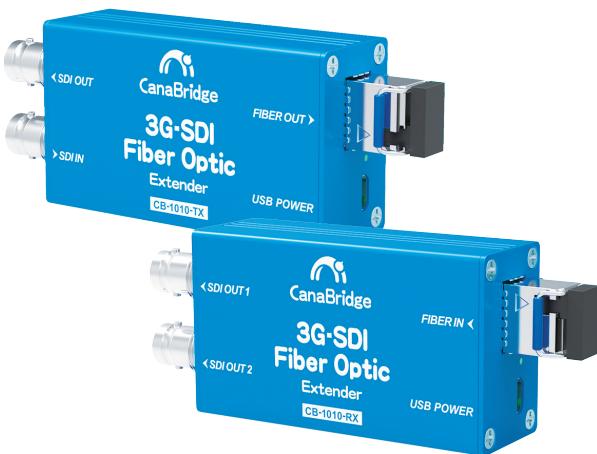


3G-SDI FIBER OPTIC EXTENDER

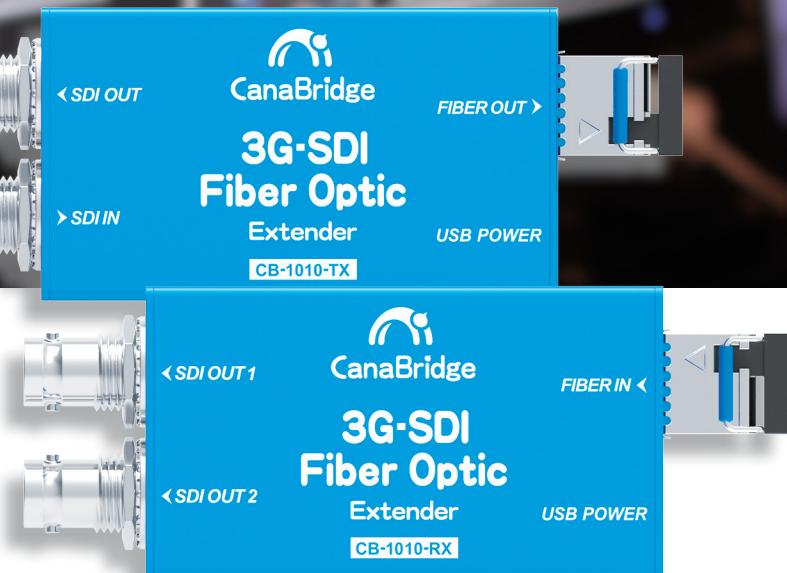
CB-1010-TX / RX

The CB-1010 3G-SDI Fiber Optic Extender is a transmitter/receiver kit supporting single-mode LC simplex fiber extending up to 20km. It is a miniature-style extension solution that supports all SDI formats resolutions 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. Multimode fiber can also be used but for shorter distances.

[Features]



- 20km transmission distance
- Support 3Gbit Level A and Level B (all formats)
- SFP/LC Fiber transmitter & receiver
- SDI equalization and re-clocking
- 3G-SDI input & loopout on transmitter
- Dual 3G-SDI outputs on receiver
- SDI input automatic switching SD, HD & 3G
- USB power supply



120m SDI Equalization & Re-clocking

120m

Eye Diagram

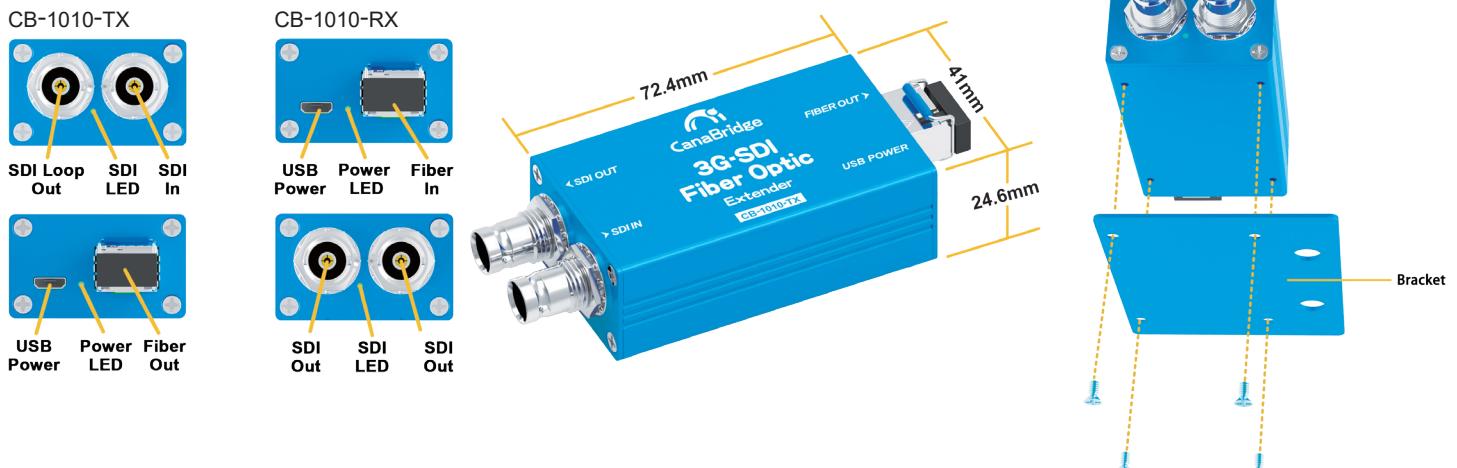
Equalized on the SDI input and reclocking on the SDI outputs to maximize performance up to 120m for 3G and 140m for HD-SDI. It ensures transmission quality and effect of eye diagram, and fully compatible with 3G level A & level B formats.

[Typical application]

CB-1010 Fiber Optic Extender is a transmitter/receiver set supporting singlemode LC simplex fiber extensions up to 20km, in resolutions up to 1080p with audio and metadata.



[More detail]



[Parameter]

Connections	Transmitter SDI Video Input	1 × SD/HD/3G-SDI (75Ω BNC)	Optical Specifications	Connector	LC
	Transmitter SDI Loop Output	1 × SD/HD/3G-SDI (75Ω BNC)		Fiber type	Single-mode
	Transmitter Fiber Optical Output	SFP module with LC connector		Wavelength	1310nm
	Receiver Fiber Optical Input	SFP module with LC connector		Output power	-6 ~ 0dBm
	Receiver SDI Video Output	2 × SD/HD/3G-SDI (75Ω BNC)		Receiver sensitivity	-15dBm (Max)
Functions and Standards	Micro USB	Power and software update	Power	Power	Micro USB
	Power LED Indicator	Power and signal status		Power Consumption	1.5W (Max)
	SDI Video Rate	SD/HD/3G-SDI		Voltage Range	USB 3.3-5.5V
	SDI Standard	SMPTE ST 259	Physical Specifications	Dimension	72.4 × 41 × 24.6mm
		SMPTE ST 292-1		Net Weight	Transmitter: 115g, Receiver: 115g
		SMPTE ST 424		Gross Weight	750g
	SDI Auto Switching	Automatically detects SD, HD and 3G-SDI	Environmental Specifications	Operating Temperature	0~40 deg C
	SDI Equalization and Re-clocking	Yes, SDI Input and output maximize performance up to 120m for 3G-SDI		Storage Temperature	-10~70 deg C
	SDI Audio	Supports 16-channel embedded		Relative Humidity	0%~90% non-condensing

*Information in this document is subject to change without notice.

