

Overview:

The 12G-SDI Fiber Extender Kit allows SDI signals up to 12G-SDI to be transmitted up to 6.2mi (10km) via a one singlemode fiber cable in a point-to-point configuration at all specified bit rates.

The 12G-SDI Fiber Extender Kit supports transmission of up to 12.0Gbps of digital video within television broadcasting facilities and between professional video equipment.

Applications:

- Video production & Broadcasting
- Studio-to-studio & Post production
- Outside broadcasting vehicle
- Mobile video & Live Events
- SDI camcorder
- Medical imaging display
- 12G/6G/3G/HD-SDI routing
- 12G/6G/3G/HD-SDI CCTV





Key Features:

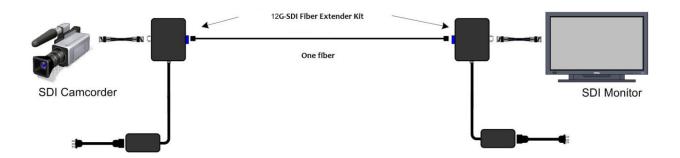
- Supports 12G/6G/3G/HD-SDI signals
- Supports up to 4K/60 video
- Extend transmission up to 6.2mi (10km) over singlemode fiber
- LED diagnostics

Specifications	
Environment	SDI single coaxial link: 12G, 6G, 3G, HD & SD.
Devices	Monitors or any equipment supporting 12G, 6G, 3G, HD & SD single coaxial link.
Standard supported	12G-SDI: SMPTE ST2082-2; 6G-SDI: SMPTE ST2082-1; 3G-SDI: SMPTE 424M HD-SDI: SMPTE 292M; SD-SDI: SMPTE 259M
Bit rates	11.88Gb/s, 5.94Gb/s, 2.97Gb/s, 1.485Gb/s & 0.27Gb/s (automatic selection).
Indicators	Power. Signal (signal present).
Connectors	One BNC 75ohm female.
On each unit	One duplex LC single-mode fiber connector.
	One locking power connector, 2mm.
Typical Distance	Using low loss coax Belden 1694A cable (RG6):
On coax:	130ft (40m) at 11.88Gb/s
	260ft (80m) at 5.94Gb/s,
	700ft (210m) at 2.97Gb/s,
On fiber:	1000ft (300m) at 1.485Gb/s
	Using single-mode fiber 9/125µm for 1310nm:
	33,000ft (10km)
Optic link required	Simplex or Duplex SMF fiber 9/125µm with LC connectors
T	(only one fiber is used).
Eye safety for laser	Class 1, compliant with IEC60825-1
Voltage required	5 VDC
Power Supply Included	Two 100-240V/5 VDC 2A power supplies with interchangeable blades for NA, Europe and UK.
Power Consumption	3 Watts (max) per unit
Temperature	Operating: 0° to 40°C Storage: -20° to 60°C
	Humidity: 20% to 90% non-condensing
Enclosure Type	Black, metal
Dimensions	Enclosure: 3.2" x 1.9" x 1.1" (8.2cm x 4.8cm x 2.8cm), excluding connectors
XX7.*.1.4	Shipping box: 10.6" x 6.9" x 3.0" (27.0cm x 17.5cm x 7.6cm)
Weight	Shipping box: 1.6lbs (0.7kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500713 126G-SDI Fiber Extender Kit (UPC: (UPC: 627699007136)

© MuxLab Inc. 2018 12G-SDI Fiber Extender Kit



Typical Application





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