

Overview:

The 6G-SDI Fiber Extender Kit allows 6G-SDI to be transmitted up to 60,000ft (20km) via a one singlemode fiber cable in a point-to-point configuration at all specified bit rates. The 6G-SDI Fiber Extender Kit supports transmission of up to 6.0Gbps 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
- 6G/3G/HD-SDI routing
- 6G/3G/HD-SDI CCTV

Key Features:

- Supports 6G/3G/HD-SDI signals
- Supports up to 4K/30 video
- Extend transmission up to 60,000ft (20km) over singlemode fiber
- LED diagnostics

Specifications	
Environment	SDI single coaxial link: 6G (UHD), 3G & HD.
Devices	Monitors or any equipment supporting 6G (UHD), 3G & HD single coaxial link.
Standard supported	SMPTE 2081, SMPTE 424M, SMPTE 292 & SMPTE 259
Bit rates	5.94Gb/s, 2.97Gb/s & 1.485Gb/s (automatic selection).
Indicators	Power. Signal present.
Connectors <i>On each unit</i>	One BNC 75ohm female. One duplex LC single-mode fiber connector. One locking power connector, 2mm.
Typical Distance On coax:	Using low loss coax Belden 1694A cable (RG6): 260ft (80m) at 5.94Gb/s, 700ft (210m) at 2.97Gb/s, 1000ft (300m) at 1.485Gb/s
On fiber:	Using single-mode fiber 9/125µm for 1310nm: 60,000ft (20km)
Optic link required	Simplex or Duplex SMF fiber 9/125µm with LC connectors (only one fiber is used).
Eye safety for laser	Class 1, compliant with IEC60825-1
Voltage required	5 – 12 VDC, 1.25W each unit
Power Supply Included	Two 100-240V/12VDC 6W power supplies with interchangeable blades for NA, Europe and UK.
Power Consumption	Transmitter: 1.25Watts Receiver: 1.25Watts
Temperature	Operating: 0° to 50°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Module Enclosure	Black, metal Size: 3" x 3" x 1" (7.6cm x 7.6cm x 2.5cm) excluding connectors.
Dimensions	Shipping box: 10"x9"x4" (25cm x23cm x10cm)
Weight	2.2lbs (1kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500712 6G-SDI Fiber Extender Kit

Typical Application

