

Fiber Optic SDI Extender Set - Up to 6.2 miles (10Km)

Extend 3G/HD-SDI Signals on a Single Mode Optical Extender

MPN: SDI-EXTFIBERPRO



4K
ULTRA HD

The **KanexPro Fiber Optic SDI Extender** is a simple extender designed for extending 3G-SDI & HD-SDI signals over fiber up to a distance of 6.2 miles (10 Kilometers). Supporting resolutions up to HD 1080p/60. The fiber extender uses pluggable and interchangeable fiber SFP design with LC connector.

Applications:

Ideally, fiber based transmissions are the most reliable and secure method of delivering digital HD video, audio, data over long-haul fiber optic cables mainly deployed in government, command and control systems and digital signage applications where security and high-resolution imagery is critical for day to operations without any downtime.

FEATURES

- Convert and Extend SDI signals over Fiber LC
- Ideal for long haul transmissions
- Built-in signal equalizer & re-clock function
- Auto-sensing for 3G/HD/SD-SDI signals
- SDI Supported HD formats:
 - 720p/50 & 60
 - 1080i/50 & 60
 - 1080p/24, 25, 30, 50 & 60
- SDI video formats: 525i & 625i SD D1
- Audio format support up to 8-channel@24 bit, 48KHz
- Mini -USB port for firmware update
- Compact & rugged housing
- Locking power supply & mounting ears

SPECIFICATIONS

SDI Format: SD-SDI, HD-SDI & 3G-SDI

SDI Transition Rate: 2.970Gb/s, 1.485Gb/s and 270Mb/s

Coaxial Cable Type: RG6/RG59 (75Ω)

Cable Equalization:

- 3G: 120m of RG6/ 100m of RG59
- HD: 200m of RG6/ 140m of RG59
- SD: 400m of RG6/ 280m of RG59

*1 RG6: CANARE L-5CFB Cable / RG59: Belden 9275 Cable

*2 Cable Length Performance: Depending on SDI Signal and Cable Quality

Firmware Updates: Via Mini-USB

Input: 1 x Fiber LC type connector for single mode optical fiber

Output: 1 x BNC [SDI]

BNC Connector: 3G 75Ω inter-locked socket

LC Connector: Single mode optical fiber connection

USB Connector: Mini-USB

Bottom: Input Source

Housing: SECC

Dimension: L: 104mm x W: 63.3mm x H: 26mm

Power Source:

Power Adapter:
AC 100 - 240 V/DC (+6 - 15 V)

Operation Temperature:

0-50°C [32-114°F]

Storage Temperature: -20-+60°C