

# Atlona AT-SDI10SR-LC HD/SD-SDI over Optical Fiber Extender up to 10km (SENDER/RECEIVER INCLUDED)

**Atlona HD/SD-SDI over Optical Fiber Extender up to 10km over single mode fiber.** Model: AT-SDI10SR-LC

The Atlona AT-SDI10SR-LC is an ideal and economic solution designed for transmission of multi-rate SDI video, with embedded audio and metadata over a multi-mode optical fiber cable.

The transmitter module receives one HD-SDI electrical input, perfectly converts SMPTE 292M, SMPTE 259M, or DVB-ASI electrical SDI signal to multi-mode optic SDI signals. The receiver module receives optical signal from input LC connector, and then perfectly converts it to electrical SDI signal. Both transmitter and receiver provide equalizing and re-clocking at input unit in order to re-construct the signal for consistent quality. Atlona AT-SDI10SR-LC is perfect for today's broadcast applications, including video production, video editing, studio to studio and studio to CATV head end. In addition, since transmission of content is inherently secure and immune to outside interference, fiber applications are favored in government, military, and medical environments.

**Important Note: The SDI10SR-LC only required 1 x single mode or multi-mode fiber cable, even-though pictures show 2 fiber inputs and 2 x outputs.**

## Key Features:

- Enables transmission of digital video signal over optic fiber up to 10km
- Standard LC-type fiber optic connector (single mode or multi-mode)
- Supports following protocols:
  - SMPTE 259M (270Mbps)
  - SMPTE 259M (360Mbps)
  - SMPTE 292M / HDTV (1.485Gbps and 1.485/1.001Gbps)
  - DVB ASI (270Mbps)
- Automatic reclocked
- HD/SDI Input signal detection LED

## Technical Specifications:

- Input connector:
  - Transmitter: 1x 75Ω BNC SDI
  - Receiver: 1x Optical LC (single or multi-mode)
- Output connector:
  - Transmitter: 1x Optical LC
  - Receiver: 1x 75Ω BNC SDI
- SDI signal type: SMPTE-292M, SMPTE-259M, DVB-ASI
- Fiber optic: Wavelength: 850 nm
  - Type: Single-mode
  - Optical power Better than -7.5 dBm
  - Rise/fall <500 pS
  - Extinction ratio 8-10
  - Overshoot < 10%
  - Jitter < 0.2 UI
- Data rates: 1485 / 1483 / 270 Mbps
- Cable equalization: up to 300m/1000ft for 270 Mbps; up to 150m/500ft for 1.485 Gbps
  - Automatic detection: 143Mbps / 270Mbps / 1.483Gbps / 1.485Gbps
  - Automatic bypass: 177Mbps / 360Mbps / 540Mbps
- Power supply: 5V 4A DC
- Operation temperature: 0°C~55°C / 32°F~131°F
- Dimensions: 105mm x 80mm x 25mm / 4.1"x3.2"x1" (L x W x H)
- Weight: 324g / 11.4oz

## Package Includes:

- 1x AT-SDI10SR-LC (Transmitter + Receiver)
- 2x 5V 4A DC power adapter
- 1x User Manual