

SDI over Fiber Optic Converter

This converter equalizes serial digital video from 143 Mbps to 2.97 Gbps and re-clocks serial digital video from 270 Mbps to 2.97 Gbps. It supports SD/ED/HD/3G-SDI signals and handles pathological patterns with plug-and-play functionality.



Overview

Professional SDI Fiber Transmission

This SDI over fiber optic converter provides high-fidelity transmission for SD, ED, HD, and 3G-SDI video signals. Designed for reliability in professional environments, it features single-mode fiber support with ultra-low processing latency. It is an ideal solution for HDTV broadcasting, live television, and security surveillance systems.

Video Interface

Cable Length Performance

Signal Type	Max Distance
3G-SDI	35m
HD-SDI	130m
SD-SDI	380m

Supported Signals SD-SDI, ED-SDI, HD-SDI, 3G-SDI

Video Connector 75 ohm BNC

Optical Specifications

Key Optical Metrics

-7 dBm

Output Power

-18 dBm

Receiver Sensitivity

15 ns

Processing Delay

Fiber Compatibility Single mode with LC/PC connector

General Specifications

Environment

- Temperature: -20 to 65 °C
- Humidity: 0-95% RH

Power Supply 5V DC / 300mA

Applications

Primary Applications

HDTV • Live Broadcasting • CATV • Surveillance