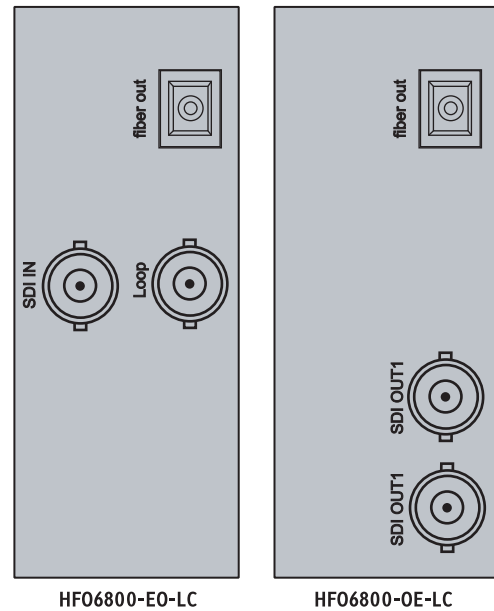


# HFO6800-EO/OE-LC

The HFO6800-EO/OE-LC is an advanced reliable high-speed optical fiber transmission module, which features full digital, real-time, delay-less and highspeed transmission. The transmission distance can reach about 100km, and the quality meets broadcast standards.

This module supports HD/SD standards of SMPTE259M, SMPTE295M, SMPTE305 and SMPTE310, and it is mainly applied to internal playout of TV stations, studios, programming, CATV front-end and other distance transmissions.



## Features

- Full digital, uncompressed, broadcast transmission quality
- Compatible with SDI and ASI signal
- Auto sensing of HD-SDI, SD-SDI and ASI signal

- Supports SMPTE292M, SMPTE295M, SMPTE305 and SMPTE310
- 12 bit signal precision
- High-speed transmission rates: 19.4M-1.5Gbps
- Single mode fiber transmission, and the transmission distance can reach about 100km

## Specifications

### Video Characteristics

Channel No.: 1Ch  
 Signal Format: SMPTE292, SMPTE259M, SMPTE305 and SMPTE310  
 Data Rate: 19.4M-1.5Gbps  
 Resistance: 75Ω  
 Return Loss: >15dB@1GHz  
 SDI Signal Level: 800mV

### Electrical Characteristics

Power Supply: 95-240VAC@0.6A

### Optical Characteristics

Wavelength (Input/output): 850/1310/1550 nm  
 Transmit Power: -3dBm  
 Broadband Spectral: 3nm  
 Received Power (Min): -30dBm  
 Received Power (Max): -23dBm  
 Baud Rate (Positive) : 1.5Gbps

### Interface

Video: BNC  
 Optical: FC/ST/SC

### Environment Characteristics

Working Temperature: -20 C to +70 C  
 Storage Temperature: -30 C to +80 C  
 Weight: about 1.5Kg  
 Humidity: 0% to 90%

### Electromagnetic Compatibility

Radiation: EN50081-1, EN55022-B, CE, FCC  
 Magnetic Susceptibility: EN50130-4, EN50082-1

*\*Specifications are subject to change without notice.*

## Ordering Information

### HFO6800-EO/OE-LC(40km)

HD-SDI Optical Transmitter/Receiver--- Unidirectional