Features

• 1 채널 비디오 신호와 1채널의 오디오 신호, 1채널의 데이터 신호를 1개의 광 신호로 전송
• 10 비트 디지털 방식의 고품질 영상 전송
• RS232 또는 RS422/485 데이터 전송 방식 지원
• Video input with AGC (Automatic gain control)
• No In-field Electrical or Optical Adjustments Required
• NTSC, PAL 방식 지원
• Power, Video Presence, Data In/Out, and Fiber Status 상황 표시 LED
• Surface Mount Technology
• Low power consumption
• 단독형 및 1U/4U 19” rack 모듈형 지원

Application

1 Video in
1 Audio in
1 Data in

SFC1000-1V1A1D TX

1 fiber

SFC1000-1V1A1D RX

1 Video out
1 Audio out
1 Data out
Specifications

**Optical**
- Wavelength: 1310/1550nm
- Fiber type: Single Mode, multi mode
- Budget: 12dB
- Optical Loss: -5 ~ -12dBm
- Water Immunity: -35dBm
- Connector: ST/PC

**Power/Environmental**
- Single: 4W
- Rack: 12VDC/1A
- Operating Temperature: -40°C ~ 70°C
- Humidity: 5% ~ 95%

**Mechanical**
- Single: 140W x 184D x 25H
- Rack: 173W x 260D x 20H

**VIDEO**
- Channels: 1
- Format: PAL/NTSC
- Input Range: 0.5-2Vpp
- Output Range: 1Vp-p
- Bandwidth (-3db): 8 MHz
- Encoding: 10 bit
- Differential Gain: ≤1%
- Differential Phase: ≤1°
- Signal-to-Noise Ratio (SNR): ≥63 dB
- Connector: BNC 75Ω

**DATA**
- Channels: 1
- Transmission Format: RS232, or RS422/485
- Data Rate: DC to 100Kb/s
- Data Format: NRZ, RZI, Manchester
- Connector: DB 5

**AUDIO**
- Channels: 1
- IN: Single Mode
- Harmonic Distortion: ≤1%
- Bandwidth (-3db): 20-15KHz
- Encoding: 24 bit
- SNR: ≥70 dB
- Connector: DB 5

**Pinout Diagram**

**Model** | **Specifications**
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SFC1000-1V1A1D-SM | 1SM Fiber: 1310/1550nm, BNC 75Ω and DB8 audio and DB5 data connector to ST Type, 20km
SFC1000-1V1A1D-MM | 1MM Fiber: 1310/1550nm, BNC 75Ω and DB8 audio and DB5 data connector to ST Type, 2km

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