Mini Converter Optical Fiber 12G

Mini Converter Optical Fiber 12G converts SDI to optical fiber and optical fiber to SDI in both directions at the same time, you can even have different video standards going in each direction! The 12G-SDI connections are multi rate, which makes it compatible with all SD, HD and Ultra HD formats and equipment up to 2160p60, including Level A and B devices. You can install any standard 3G, 6G or 12G-SDI SFP optical fiber module so you can send SDI using the same low cost optical fiber cables that are commonly used for computer networks.

$155

Connections

**SDI Video Inputs**
1 x SD, HD and 12G-SDI Video and 1 x Optical Fiber Input.

**SDI Video Outputs**
Automatically matches the SD, HD and 12G-SDI video input on the Optical Fiber.

**Optical Fiber Connection (optional)**
1x SMPTE optical fiber SFP socket.

**Optical Fiber SFP module**
sold separately.

**Optical Fiber Video Inputs**
1 x 10 bit SD/HD/12G-SDI switchable.

**Optical Fiber Video Outputs**
Automatically matches the SD, HD and 12G-SDI video input.

**Optical Fiber Audio Inputs**
16 channel embedded.

**Optical Fiber Audio Outputs**
16 channel embedded.

**Multi Rate Support**
Auto detection of SD, HD or 12G-SDI.

**Reclocking**
Yes

Standards

**SD Video Standards**
525i/59.94 NTSC, 625i/50 PAL
### HD Video Standards
- 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60

### 2K Video Standards
- 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p, 2K DCI 23.98PsF, 2K DCI 24PsF, 2K DCI 25PsF

### Ultra HD Video Standards
- 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60

### 4K Video Standards
- 4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p

### SDI Compliance

### SDI Video Rates
- SDI video connections are switchable between SD, HD, Ultra HD and DCI 4K.

### SDI Video Sampling
- 4:2:2 and 4:4:4

### SDI Audio Sampling
- Television standard sample rate of 48 kHz and 24 bit.

### SDI Color Precision
- 4:2:2 and 4:4:4

### SDI Color Space
- YUV and RGB

### SDI Auto Switching
- Automatically detects SD, HD or 12G-SDI.

### ASI Support
- Yes

---

### Operating Systems

- **Mac**
  - 10.12 Sierra,
  - 10.13 High Sierra or later.
- **Windows**
  - 8.1 or Windows 10.

---

### Settings Control

- No user controls.

---

### Power Requirements

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Power Consumption</th>
<th>Operational Voltage Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>+12V universal power supply included with international socket adapters for all countries. Cable tie point.</td>
<td>2 Watts</td>
<td>6 - 36V DC</td>
</tr>
</tbody>
</table>
Physical Specifications

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating temperature</th>
<th>Storage temperature</th>
<th>Relative Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° to 40° C (32° to 104° F)</td>
<td>-20° to 45° C (-4° to 113° F)</td>
<td>0% to 90% non-condensing</td>
</tr>
</tbody>
</table>

What's Included

Mini Converter Optical Fiber 12G
+12V universal power supply with international socket adapters

Warranty

3 Year Limited Manufacturer's Warranty.
Blackmagic Design Authorized Reseller