Work with remote cameras up to 2 km away from your studio or outside broadcast truck using SMPTE fiber. The Blackmagic Studio Fiber Converter converts SDI video, audio, and remote camera control connections into a single optical fiber cable, which connects to a Blackmagic Camera Fiber Converter attached to a remote camera. All video and data are transmitted using standard IP for extremely low latency broadcast quality video. You get 12G-SDI for an HD or Ultra HD camera feed and 3 independent HD return feeds, along with standard connections for camera control, PTZ, two dual channel talkback intercoms, tracker talkback, tally and a 5 inch LCD screen for monitoring camera and return feeds. The Blackmagic Studio Fiber Converter also provides power for your remote cameras and accessories.

**Connections**

**Optical Fiber Input**
1x SMPTE Hybrid Fiber Optic with Female SMPTE 304 connector.

**SDI Video Input**
3x 12G SDI Return feeds with Program, Camera Control, Tally, Genlock and Intercom on Return 1.

**SDI Video Output**
2x 12G SDI for Ultra HD up to 60p.

**Talkback Audio**
SDI Channels 15 and 16 for Production, Analogue in and out supported via 25-pin connector for Production and Engineering talkback support.

**Balanced XLR Audio Outputs**
4x camera analogue audio outputs.

**Optical Fiber Outputs**
1x Optical I/O via 10 Gb-E (not currently active).

**Computer Interface**
1x USB-C.
Standards

**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

**Ultra HD Video Standards**
2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p60

**SDI Compliance**
SMPT 259M, SMPT 292M, 296M,
372M, 424M Level B, 425M.

**Audio Sampling**
Television standard sample rate of 48Khz, 24 bit A/D conversion.

**Video Sampling**
4:2:2

**Color Precision**
10-bit

**Color Space**
REC 709, REC 2020.

**Multiple Rate Support**
SDI switches between HD, 3G-SDI, 6G-SDI and 12G-SDI.

Software

**Software Included**
Camera Utility for firmware update.
Operating Systems

Mac 10.11 El Capitan, Mac 10.12 Sierra or later. Windows 8.1 or Windows 10.

Power Requirements

**Power Supply**
110 - 240V AC input.

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 50° C (32° to 122° 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

Blackmagic Studio Fiber Converter
SD card with software and manual
Warranty

1 Year Limited Manufacturer's Warranty.