

# Blackmagic Studio Fiber Converter



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.

\$3,659

## 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

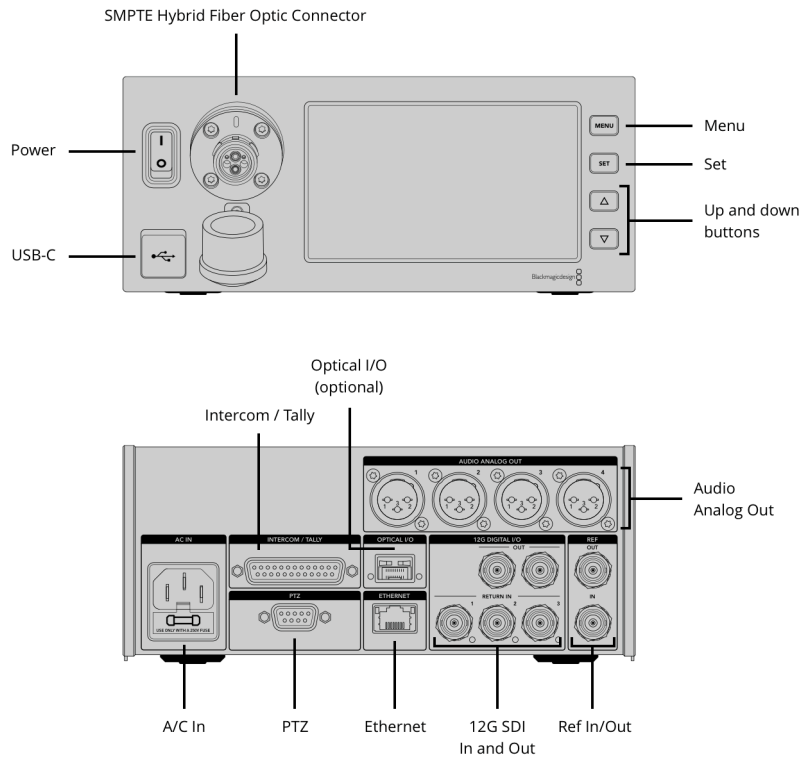
4x camera analogue audio outputs.

### 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, 2160p50,  
 2160p59.94, 2160p60

### SDI Compliance

SMPTE 259M, SMPTE 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.

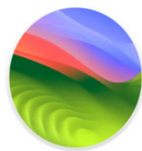
## Software

### Software Included

Camera Utility for firmware update.

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## Operating Systems



Mac 13.0 Ventura,  
Mac 14.0 Sonoma or later.



Windows 10 and 11.

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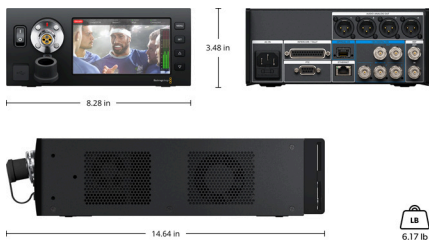
## Power Requirements

### Power Supply

100 - 240V AC input.

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## Physical Specifications



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## Environmental Specifications

### Operating Temperature

0° to 40° C (32° to 104° F)

### Storage Temperature

-20° to 45° C (-4° to 113° F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

Blackmagic Studio Fiber Converter

Welcome wallet with QR code for software download

## Warranty

1 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller