

Blackmagic Camera Fiber Converter



The Blackmagic Camera Fiber Converter lets you extend and power your URSA Broadcast from up to 2 km away using industry standard SMPTE fiber cables. It also includes common live camera controls with multiple channels of talkback and standard television industry talkback headset connections. The Blackmagic Camera Fiber Converter features 1 Ultra HD camera feed, plus 3 HD return feeds in a compact IP video based design.

Connections

Optical Fiber Input

1x SMPTE Hybrid Fiber Optic with SMPTE 304 connector (Male).

SDI Video Input

1x 12G SDI for Camera feed.

SDI Video Output

1x 3G SDI for Camera return feed, 3x 3G SDI for Return SDI Outputs.

Talkback Audio

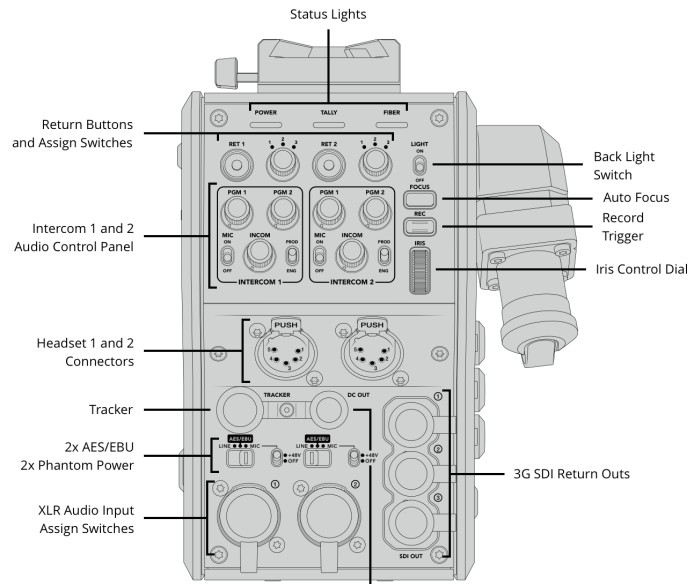
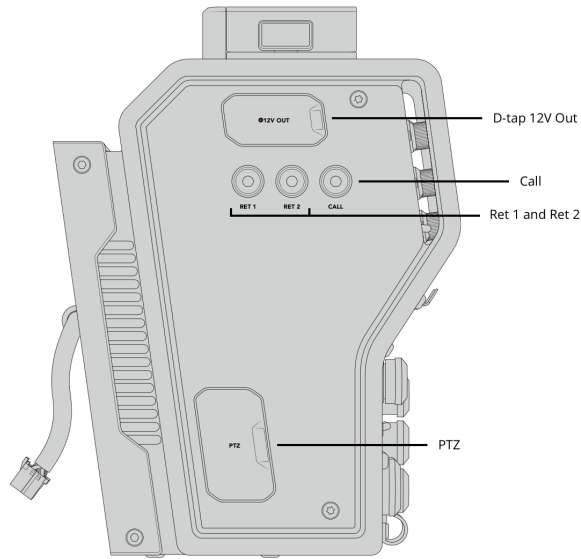
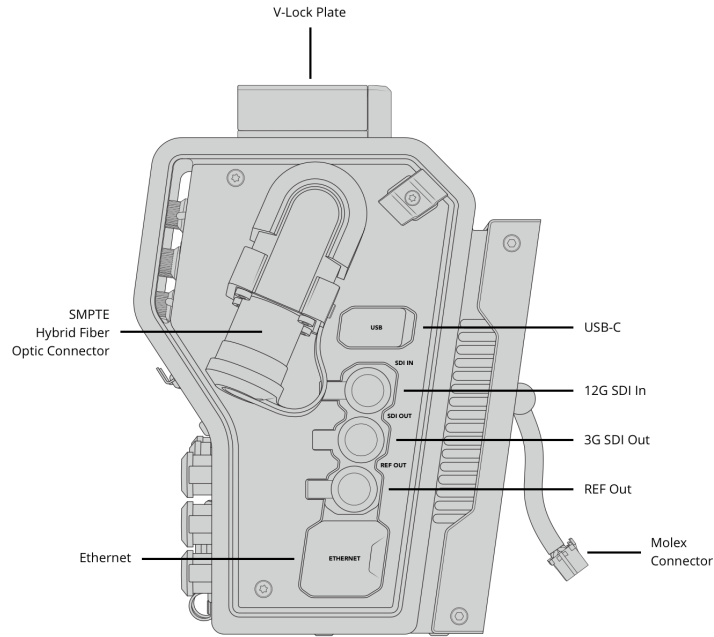
2x 5-pin XLR for headset with three way audio mixer per output, 1x Tracker output.

Analog Audio

2x 3-pin XLR Inputs for AES, Line or Mic input. Phantom Power available.

Computer Interface

1x USB-C connector.



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

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.

Operating Systems



Mac 10.14 Mojave,
Mac 10.15 Catalina or later.



Windows 8.1 and 10.

Physical Specifications



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

What's Included

Blackmagic Camera Fiber Converter

Mounting Bracket and screws for attaching to URSA Mini and URSA Broadcast cameras

3x Short 12G SDI cables for SDI In and Out connecting to URSA Mini and URSA Broadcast

SD card with software and manual

Warranty

1 Year Limited Manufacturer's Warranty.

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