

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.

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)

1 x SMPTE optical fiber SFP socket.

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

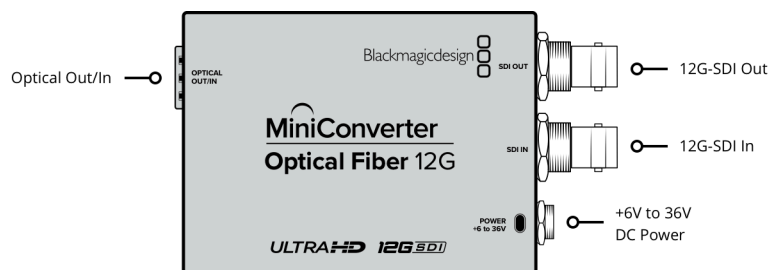
16 channel embedded.

Multi Rate Support

Auto detection of SD, HD or 12G-SDI.

Reclocking

Yes



Standards

SD Video Standards

525i59.94 NTSC, 625i50 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

SMPTE 259M, SMPTE 292M,
SMPTE 296M, SMPTE 424M,
SMPTE 425M, SMPTE, SMPTE ST-2081,
ITU-R BT.656, ITU-R BT.601 and
SMPTE 297M for Optical Fiber SDI.

SDI Video Rates

SDI video inputs are automatically
detected between standard
definition, high definition, level A or
level B 3G-SDI, 6G-SDI and 12G-SDI.

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 10.15 Catalina,
Mac 11.1 Big Sur or later.



Windows 10, 64-bit.

Settings Control

No user controls.

Power Requirements

Power Supply

+12V universal power supply included
with international socket adapters for
all countries. Cable tie point.

Power Consumption

2 Watts

Operational Voltage Range

6 - 36V DC

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
