

Teranex Mini Optical to HDMI 12G



Convert from 12G optical fiber and 12G-SDI to HDMI. Supports all video formats including SD, HD, 6G and 12G-SDI rates and includes down converter when working with Ultra HD as the HDMI monitor will select the best format it can support. De-embed audio to balanced analog or AES/EBU formats and timecode output. Perfect for using HDMI televisions as SDI broadcast monitors and for connecting to video projectors.

\$895

Connections

Optical Fiber Connection

LC connector, 1310 nanometer wavelength, single mode.

Optical Fiber Video Input

1 x 12G-SDI SD/HD/2K/4K auto switching.

SDI Video Input

1 x 12G-SDI SD/HD/2K/4K auto switching.

Optical Fiber Video Loop Through

1 x 12G-SDI loop output.

HDMI Video Output

1 x HDMI 2.0 type A connector with support for 2160p60.

Analog Audio Output

2 channels professional balanced analog audio via XLR connectors. Right XLR can be configured for Timecode output.

AES/EBU Audio Output

4 channels professional 110Ω balanced digital audio via XLR connectors. Right XLR can be configured for Timecode output.

Multi Rate Support

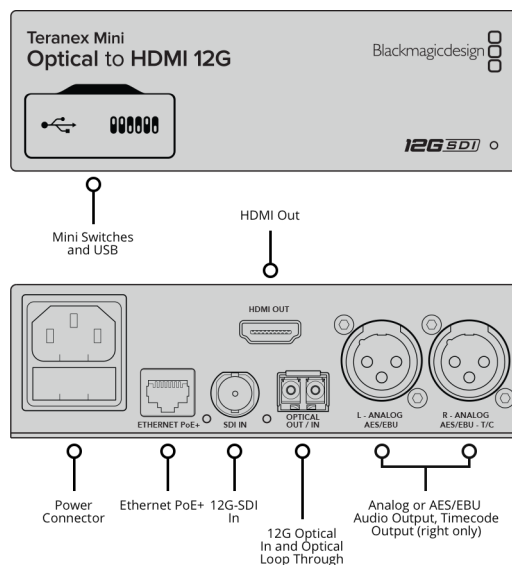
Auto detection of SD, HD or 12G-SDI.

Updates and Configuration

USB and Ethernet.

Re-Clocking

Yes



Optical Input Formats

SD Format Support

525i29.97 NTSC, 625i25 PAL

HD Format Support

720p50, 59.94, 60
1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
1080PsF23.98, 24
1080i50, 59.94, 60

2K Format Support

1080p23.98, 24, 25
1080PsF23.98, 24, 25

Ultra HD Format Support

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

4K Format Support

2160p23.98, 24, 25, 29.97, 30

SDI Compliance

SMPTE 292M, SMPTE 259M, SMPTE 296M, SMPTE 372M, SMPTE 424M-B, SMPTE 425M, SMPTE 297M for Optical Fiber SDI, SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1, SMPTE 2082-10

SDI Video Rates

SDI video connections are switchable between standard definition, high definition level A and 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.

HDMI Output Formats

SD Format Support

525i29.97 NTSC, 625i25 PAL

HD Format Support

720p50, 59.94, 60
1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
1080i50, 59.94, 60

2K Format Support

1080p23.98, 24, 25

Ultra HD Format Support

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

4K Format Support

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

HDMI Color Space

REC 601, REC 709

HDMI Color Precision

YUV 4:2:2 and RGB 4:4:4 in HD, 2K and 4K.

Software

Software Control

Mac OS X™ and Windows™ software upgrade via USB or Ethernet.

Internal Software Upgrade

Via included updater application.

Operating Systems



Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later.



Windows 8.1 or Windows 10.

Settings Control

Basic Settings Control

Mini Switches, USB and Ethernet via free software utility.

Optional Front Panel Control

Front mounted Smart Panel with LCD, rotary knob and six settings buttons

Power Requirements

Power Supply

1 x built-in international AC power supply with IEC C14 inlet. IEC Power cable required. 90 - 240V AC Input.

Power Over Ethernet

Can be powered via 48V DC using PoE+ (power over ethernet).

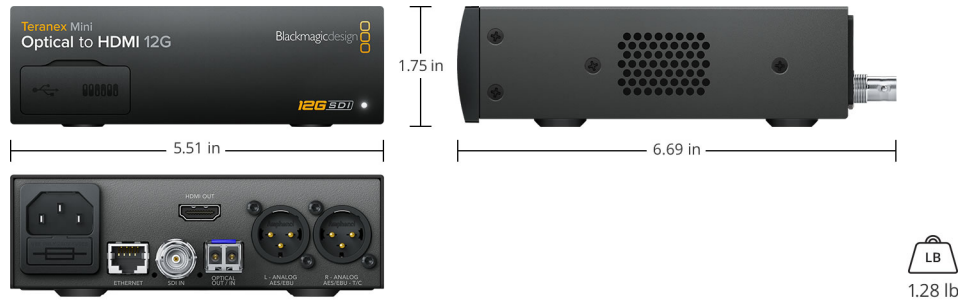
Power Consumption

16 Watts

Operational Voltage Range

90 - 240V AC

Physical Specifications



Environmental Specifications

Operating Temperature:

0° to 40°C (32° to 104°F)

Storage Temperature:

-20° to 60°C (-4° to 140°F)

Relative Humidity:

0% to 90% non-condensing

What's Included

Teranex Mini - Optical to HDMI 12G

SD card with software and manual

Warranty

3 year Limited Manufacturer's Warranty.

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