



Teranex Mini Optical to HDMI 12G



Now you can convert from SDI and SMPTE optical fiber to HDMI! Simply insert the SMPTE optical fiber module of your choice to get video and embedded audio over massive distances using 3G, 6G, or 12G-SDI optical fiber! You get professional 12G-SDI and XLR connections, a down converter for viewing Ultra HD sources on HD displays plus ethernet for remote admin control. Optical fiber SFP module sold separately so you can purchase the SMPTE compatible 3G-SDI, 6G-SDI or 12G-SDI SFP module to suit your workflow. You can even add an optional Smart Panel to add LCD monitoring and push button controls to your Teranex Mini!

\$495

Connections

Optical Fiber Connection (optional)

Optional 3G, 6G or 12G-SDI single mode 1310 nm SFP module with LC connector.

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.

Embedded Audio Support

8 channels.

Multi Rate Support

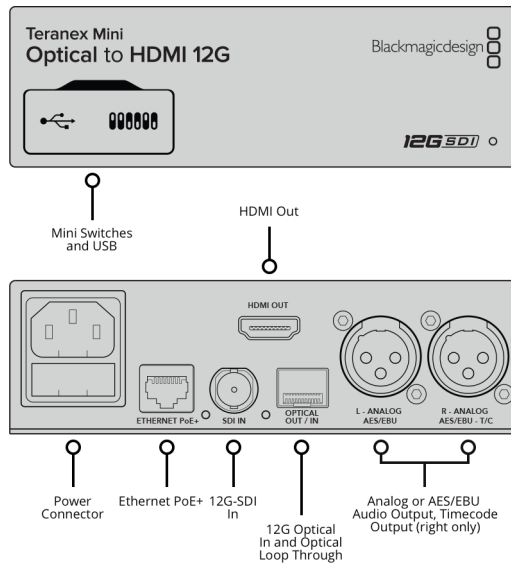
Auto detection of SD, HD or 12G-SDI.

Updates and Configuration

USB and Ethernet.

Re-Clocking

Yes



Optical Input Formats

SD Format Support

525i29.97 NTSC, 625i25 PAL

HD Format Support

720p50, 720p59.94, 720p60
 1080p23.98, 1080p24, 1080p25,
 1080p29.97, 1080p30, 1080p50,
 1080p59.94, 1080p60
 1080PsF23.98, 1080PsF24
 1080i50, 1080i59.94, 1080i60

2K Format Support

2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p
 2K DCI 23.98PsF, 2K DCI 24PsF, 2K 25PsF

Ultra HD Format Support

2160p23.98, 2160p24, 2160p25,
 2160p29.97, 2160p30, 2160p50,
 2160p59.94, 2160p60

4K Format Support

4K DCI 23.98p, 4K DCI 24p, 4K DCI
 25p, 4K DCI 29.97p, 4K DCI 30p, 4K
 DCI 50p, 4K DCI 60p

SDI Compliance

SMPTE 292M, SMPTE 259M, SMPTE
 296M, SMPTE 372M, SMPTE 424M,
 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, 720p59.94, 720p60
 1080p23.98, 1080p24, 1080p25,
 1080p29.97, 1080p30, 1080p50,
 1080p59.94, 1080p60
 1080i50, 1080i59.94, 1080i60

2K Format Support

2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p

Ultra HD Format Support

2160p23.98, 2160p24, 2160p25,
 2160p29.97, 2160p30, 2160p50,
 2160p59.94, 2160p60

4K Format Support

DCI 23.98p, 4K DCI 24p, 4K DCI 25p,
 4K DCI 29.97p, 4K DCI 30p, 4K DCI
 50p, 4K DCI 60p

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).

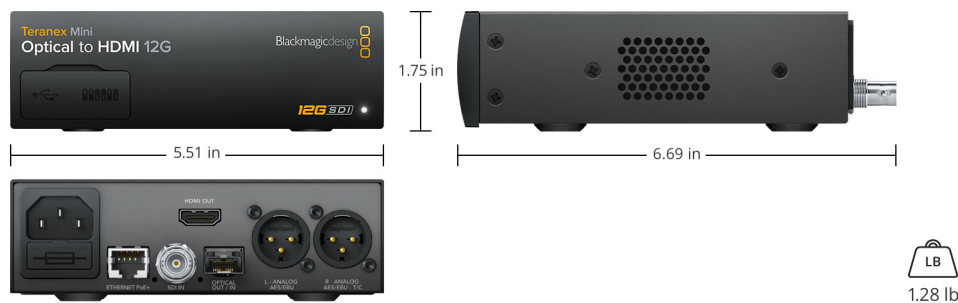
Power Consumption

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.

All items on this website are copyright Blackmagic Design Pty. Ltd. 2017, all rights reserved.
All trademarks are property of their respective owners. MSRP excludes sales taxes/duties and shipping costs.

Blackmagic Design Authorized Reseller