



Teranex Mini HDMI to Optical 12G



\$495

Now you can convert from HDMI to SDI and SMPTE optical fiber! Simply insert the SMPTE optical fiber module of your choice to send video and embedded audio over massive distances using 3G, 6G, or 12G-SDI optical fiber! You get professional 12G-SDI and XLR connections, an up converter for viewing SD and HD sources on Ultra 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 to suit your workflow. You can even add an optional Smart Panel to add LCD monitoring and push button controls to your Teranex Mini!

Connections

HDMI

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

Optical Fiber Connection (optional)

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

Optical Fiber Video Output

Automatically matches the SD, HD and 12G-SDI HDMI video input.

SDI Video Output

Automatically matches the SD, HD and 12G-SDI HDMI video input.

Analog Audio Input

2 channels professional balanced analog audio via XLR connectors. Right XLR can be configured for timecode input.

AES/EBU Audio Input

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

Embedded Audio Support

16 channels.

Multi Rate Support

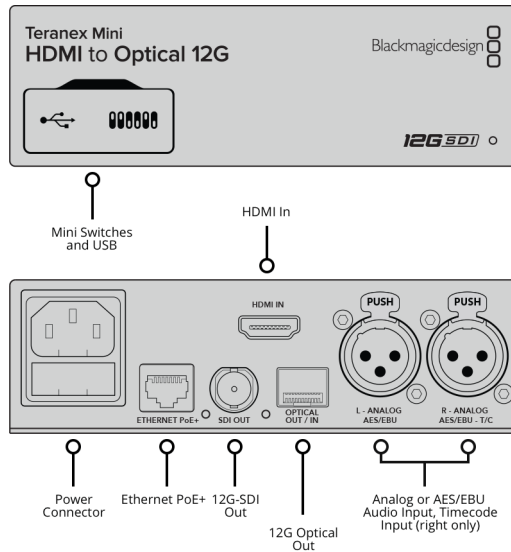
Automatic switching between SD/HD/2K and 4K.

Updates and Configuration

USB and Ethernet.

Re-Clocking

Yes



Optical 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

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

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

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

SDI Color Space

REC 601, REC 709

HDMI Input Formats

SD Format Support

525i29.97 NTSC, 625i25 PAL

HD Format Support

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

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

HDMI Color Space

REC 601, REC 709

HDMI Color Precision

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

Copy Protection

HDMI input is unable to capture from
 copy protected HDMI sources. Always
 confirm copyright ownership before
 capture or distribution of content.

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



1.28 lb

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 - HDMI to Optical 12G

SD card with software and manual

Warranty

3 year Limited Manufacturer's Warranty.

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