

Teranex Mini HDMI to Optical 12G



US\$589

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

SDI Video Inputs

Optional 3G/6G/12G Optical SFP input.

SDI Video Outputs

1 x 12G-SDI.

HDMI Video Inputs

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

Optical Fiber Connection (optional)

Optional 3G/6G/12G optical SFP output.

Optical Fiber Video Outputs

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

Analog Audio Inputs

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

Digital Audio Inputs

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

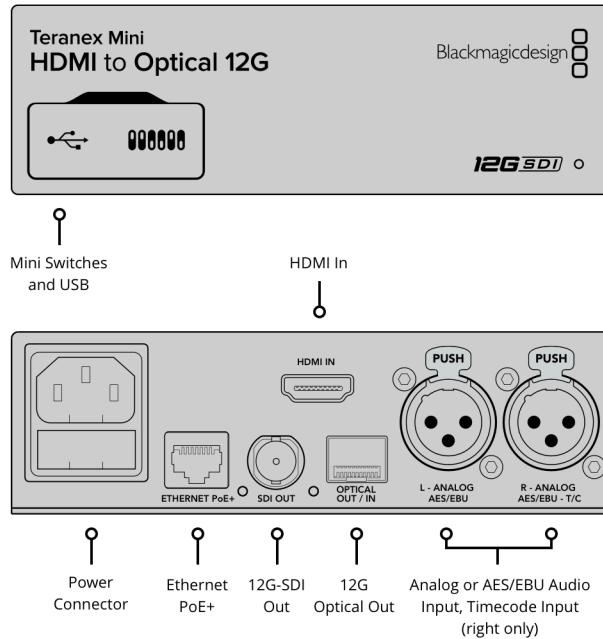
Automatic switching between SD/HD/2K and 4K.

Updates and Configuration

USB and Ethernet.

Reclocking

Yes



Optical Output Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

720p50, 720p59.94, 720p60
1080i50, 1080i59.94, 1080i60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p47.95,
1080p48, 1080p50, 1080p59.94,
1080p60

2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94,
2160p60

4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI

SDI Compliance

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

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

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Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94,
2160p60

4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI

HDMI Color Space

REC 601, REC 709

HDMI Color Precision

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™ and Windows™ software
upgrade via USB or Ethernet.

Internal Software Upgrade

Via included updater application.

Operating Systems



Mac 10.15 Catalina,
Mac 11.1 Big Sur or later.



Windows 10, 64-bit.

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. 100 - 240V AC Input.

Power Over Ethernet

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

Power Consumption

16 Watts

Operational Voltage Range

100 - 240V AC

Physical Specifications



Environmental Specifications

Operating Temperature	Storage Temperature	Relative Humidity
0° to 40°C (32° to 104°F)	-20° to 60°C (-4° to 140°F)	0% to 90% non-condensing

What's Included

- Teranex Mini HDMI to Optical 12G
- Welcome wallet with QR code for software download

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller