

Teranex Mini Optical to HDMI 12G



\$535

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. The optical fiber SFP module is 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!

Connections

SDI Video Inputs

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

Optical Fiber Connection (optional)

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

Optical Fiber Video Inputs

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

Optical Fiber Video Loop Through

1 x 12G-SDI loop output.

HDMI Video Outputs

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

Analog Audio Outputs

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

Digital Audio Outputs

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

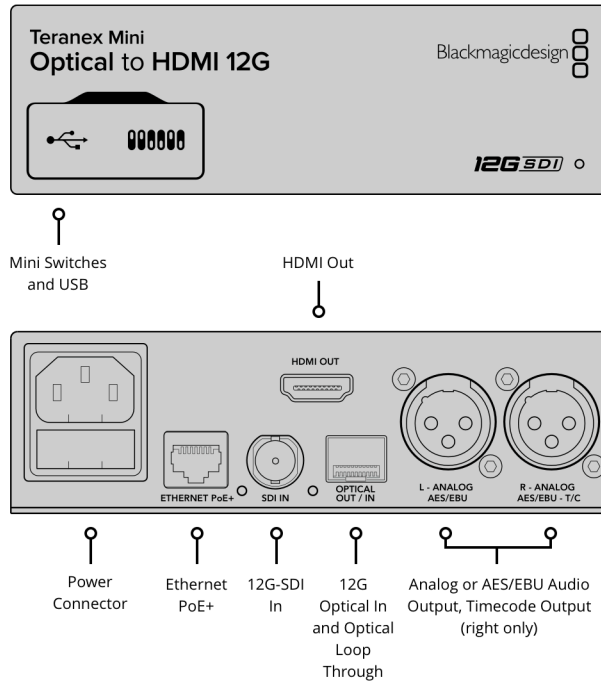
Auto detection of SD, HD or 12G-SDI.

Updates and Configuration

USB and Ethernet.

Reclocking

Yes



Optical Input 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
1080PsF23.98, 1080PsF24, 1080PsF25

2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI
2KPsF23.98 DCI, 2KPsF24 DCI,
2KPsF25 DCI

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p47.95,
2160p48, 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 372M,
SMPTE 424M, SMPTE 425M
level A and B, 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

4:2:2 and 4:4:4.

SDI Color Space

YUV and RGB.

HDMI 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
1080PsF23.98, 1080PsF24, 1080PsF25

Ultra HD Video Standards

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

4K Video Standards

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

HDMI Color Space

REC 601, REC 709

HDMI Color Precision

YUV 4:2:2 in HD, 2K and 4K. 33 point
LUT can be loaded via the
Teranex Utility.

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

Warranty

3 year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller