

Teranex Mini Audio to Optical 12G



Embed up to 2 channels of analog audio or 4 channels of AES/EBU digital audio into any SD, HD, Ultra HD or DCI 4K SDI video connection. Take audio from devices such as audio mixers and analog decks and embed it into 12G optical fiber for use across longer distances.

\$695

Connections

Optical Fiber Connection

LC connector, 1310 nanometer wavelength, single mode.

Optical Fiber Video Output

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

SDI Video Input

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

Analog Audio Input

2 channels professional balanced analog audio via XLR connectors, or 2 channel unbalanced analog line level via RCA 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.

Optical Audio Input

S/PDIF Signal with TOSLINK Connector.

Multi Rate Support

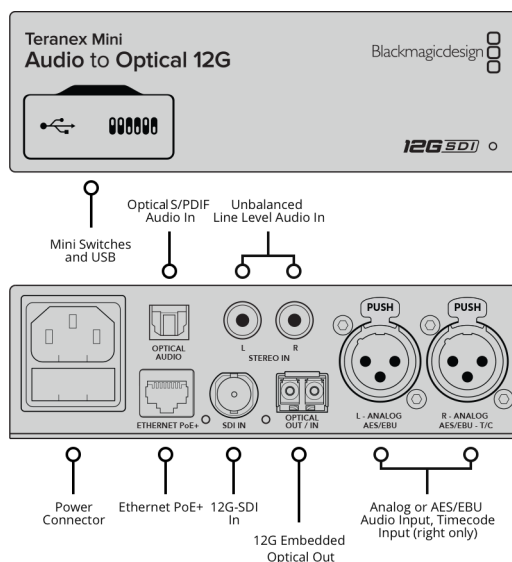
Automatic switching between SD/HD/2K and 4K.

Updates and Configuration

USB or Ethernet.

Re-Clocking

Yes



Standards

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, 25, 29.97, 30
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 auto switching between standard definition SDI, 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 48kHz 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

Software

Software Control

Mac OS X™ and Windows™ software upgrade via USB and 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).

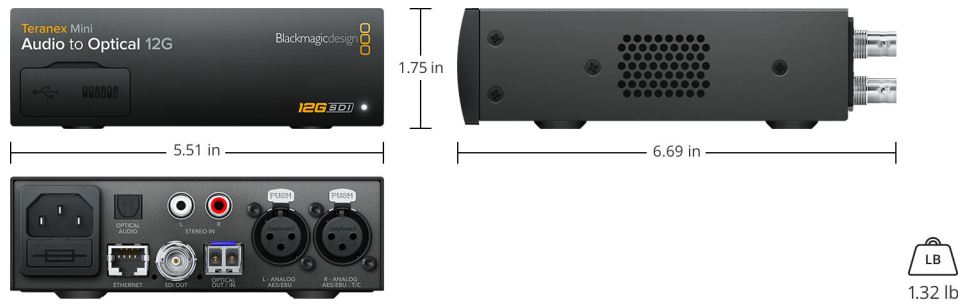
Power Consumption

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 - Audio to Optical 12G
SD card with software and manual

Warranty

3 year Limited Manufacturer's Warranty.

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