

# Teranex Mini Optical to HDMI 12G



Convert from 12G optical fiber and 12G-SDI to HDMI. Supports all video formats including SD, HD, 6G and 12G-SDI rates and includes down converter when working with Ultra HD as the HDMI monitor will select the best format it can support. De-embed audio to balanced analog or AES/EBU formats and timecode output. Perfect for using HDMI televisions as SDI broadcast monitors and for connecting to video projectors.

**\$695**

## Connections

### Optical Fiber Connection

LC connector, 1310 nanometer wavelength, single mode.

### 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.

### Multi Rate Support

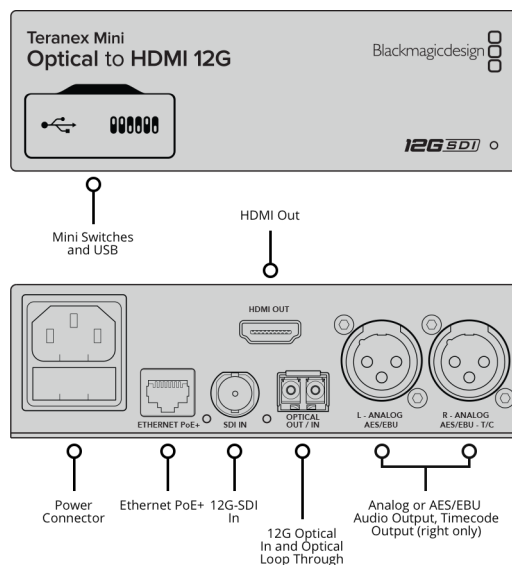
Auto detection of SD, HD or 12G-SDI.

### Updates and Configuration

USB and Ethernet.

### Re-Clocking

Yes



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## Optical Input Formats

### SD Format Support

525i29.97 NTSC, 625i25 PAL

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### HD Format Support

720p50, 59.94, 60  
1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60  
1080PsF23.98, 24  
1080i50, 59.94, 60

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### 2K Format Support

1080p23.98, 24, 25  
1080PsF23.98, 24, 25

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### Ultra HD Format Support

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

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### 4K Format Support

2160p23.98, 24, 25, 29.97, 30

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### 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

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### 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.

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### SDI Video Sampling

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

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### SDI Audio Sampling

Television standard sample rate of 48 kHz and 24-bit.

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### SDI Color Precision

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

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### SDI Color Space

YUV and RGB.

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## HDMI Output Formats

### SD Format Support

525i29.97 NTSC, 625i25 PAL

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### HD Format Support

720p50, 59.94, 60  
1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60  
1080i50, 59.94, 60

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### 2K Format Support

1080p23.98, 24, 25

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### Ultra HD Format Support

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

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### 4K Format Support

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

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### HDMI Color Space

REC 601, REC 709

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### HDMI Color Precision

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

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## Software

### Software Control

Mac OS X™ and Windows™ software upgrade via USB or Ethernet.

### Internal Software Upgrade

Via included updater application.

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## Operating Systems



Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later.



Windows 8.1 or Windows 10.

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## 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

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## 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

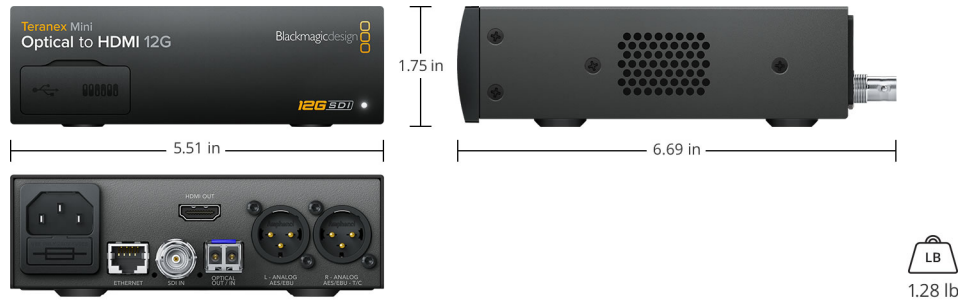
16 Watts

### Operational Voltage Range

90 - 240V AC

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## 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

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## What's Included

Teranex Mini - Optical to HDMI 12G

SD card with software and manual

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## Warranty

3 year Limited Manufacturer's Warranty.

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