

## Teranex Mini Audio to SDI 12G



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Embed up to 2 channels of audio from balanced analog, optical or HiFi RCA, or embed up to 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, iPods and analog decks and embed it into SDI video connections for use with SDI routers and decks.

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### Connections

#### SDI Video Inputs

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

#### SDI Video Outputs

1 x 12G-SDI output.

#### Analog Audio Inputs

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.

#### 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.

#### Optical Audio Input

S/PDIF Signal with TOSLINK Connector.

#### Multi Rate Support

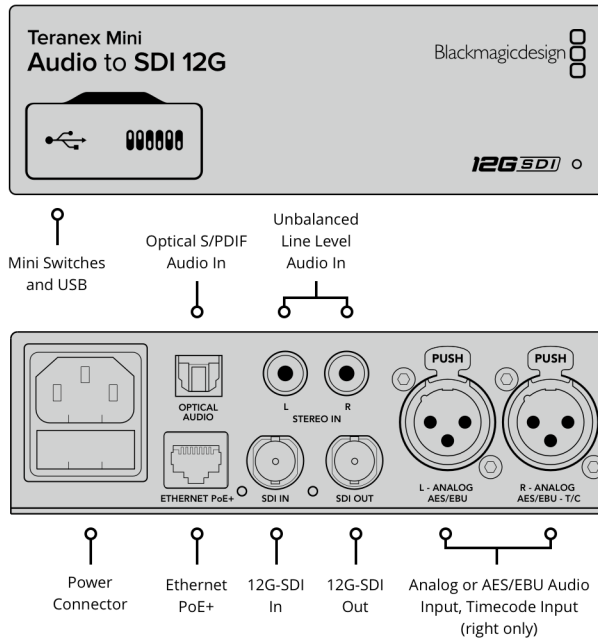
Automatic switching between SD/HD/2K and 4K.

#### Updates and Configuration

USB or Ethernet.

#### Reclocking

Yes



## Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94, 720p60  
 1080p23.98, 1080p24, 1080p25,  
 1080p29.97, 1080p30, 1080p50,  
 1080p59.94, 1080p60  
 1080PsF23.98, 1080PsF24,  
 1080PsF25, 1080PsF30  
 1080i50, 1080i59.94, 1080i60

### 2K Video Standards

1080p23.98, 1080p24, 1080p25  
 1080PsF23.98, 1080PsF24, 1080PsF25

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,  
 2160p29.97, 2160p30, 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 B,  
 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, 1.5G-SDI, 3G-SDI,  
 6G-SDI and 12G-SDI.

### SDI Video Sampling

4:2:2, 4:4:4

### SDI Audio Sampling

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

### SDI Auto Switching

Automatically selects between SD,  
 HD, 3G, 6G and 12G-SDI.

### 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

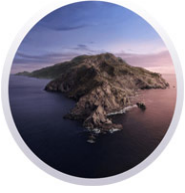
Mac™ and Windows™ software  
 upgrade via USB and Ethernet.

### Internal Software Upgrade

Via included updater application.

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## Operating Systems



Mac 10.14 Mojave,  
Mac 10.15 Catalina or later.



Windows 8.1 and 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



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## 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 Audio to SDI 12G  
SD card with software and manual

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## Warranty

3 year Limited Manufacturer's Warranty.

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