

## Teranex Mini HDMI to SDI 12G



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Convert from HDMI to 12G-SDI. Works with all video formats including SD, HD, 6G and 12G-SDI rates and includes an up converter for converting HD to Ultra HD. Embed audio from balanced analog or AES/EBU and timecode input. Ideal for converting HDMI consumer cameras to SDI, or adding SDI outputs to computers with HDMI connections.

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### Connections

#### SDI Video Outputs

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

#### HDMI Video Inputs

1 x HDMI 2.0 type A.

#### 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

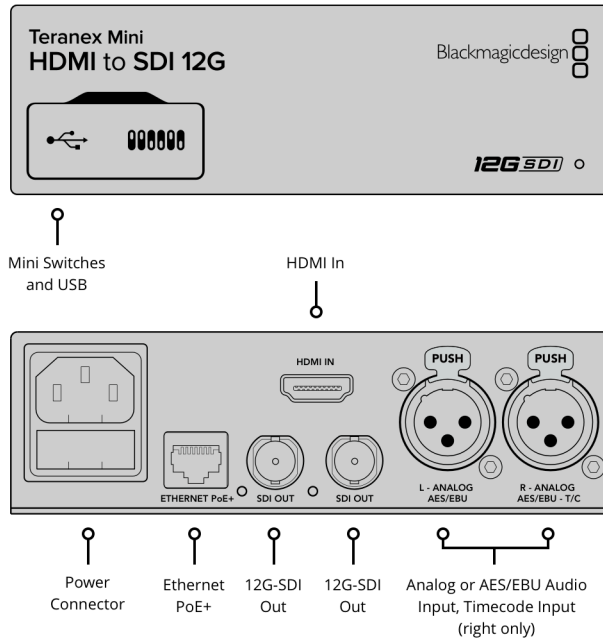
Automatic switching between SD/HD/2K and 4K.

#### Updates and Configuration

USB or Ethernet.

#### Reclocking

Yes



## SDI Output 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  
 1080i50, 1080i59.94, 1080i60

### 2K Video Standards

2K DCI 23.98p, 2K DCI 24p, 2K  
 DCI 25p

### 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 A and B, SMPTE  
 2081-1, SMPTE 2081-10, SMPTE  
 2082-1 and SMPTE 2082-10

### SDI Video Rates

SDI video connections are auto  
 switching between standard  
 definition SDI, high definition 3G-SDI,  
 6G-SDI, and 12G-SDI.

### SDI Video Sampling

4:2:2

### SDI Audio Sampling

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

### SDI Color Precision

4:2:2

### SDI Color Space

YUV

## HDMI Input 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  
 1080i50, 1080i59.94, 1080i60

### 2K Video Standards

1080p23.98, 1080p24, 1080p25

### Ultra HD Video Standards

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

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**4K Video Standards**

2160p23.98, 2160p24, 2160p25,  
2160p29.97, 2160p30

**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.

**Copy Protection**

HDMI input is unable to capture from  
copy protected HDMI sources. Always  
confirm copyright ownership before  
capture or distribution of content.

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**Format Conversion**

HD up and down conversion

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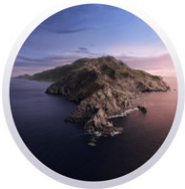
**Software****Software Control**

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.

**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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