

# Teranex Mini SDI to HDMI 12G



Convert from 12G-SDI to HDMI. Supports all video formats including SD, HD, 6G and 12G-SDI rates and includes down converter when working with a HDMI monitor, which will select the best format it can support. De-embed audio to balanced analog or AES/EBU formats and timecode output. Also includes Instant Lock on HDMI output as well as 33 point LUT. Perfect for using HDMI televisions as SDI broadcast monitors and for connecting to video projectors.

## Connections

### SDI Video Inputs

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

### SDI Video Outputs

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.

### Digital Audio Outputs

8 channels.

### Multi Rate Support

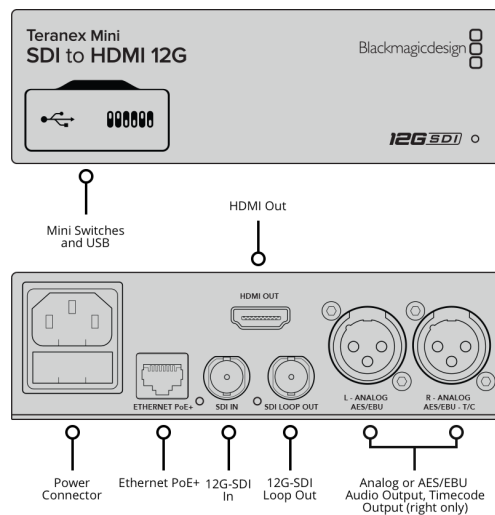
270MB, 1.5G, 3G, 6G and 12G.

### Updates and Configuration

USB or Ethernet.

### Reclocking

Yes



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## SDI Input Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

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### HD Video Standards

720p50, 720p59.94, 720p60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60  
1080PsF23.98, 1080PsF24, 1080PsF25,  
1080PsF29.97, 1080PsF30  
1080i50, 1080i59.94, 1080i60

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### 2K Video Standards

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

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### Ultra HD Video Standards

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

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### 4K Video Standards

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

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### 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

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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. 33 point LUT's can be loaded via Teranex Utility.

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## HDMI Output Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

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### HD Video Standards

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

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### Ultra HD Video Standards

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

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### 4K Video Standards

4K DCI 23.98p, 4K DCI 24p,  
4K DCI 25p, 4K DCI 29.97p, 4K DCI 30p

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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



macOS 10.12 Sierra,  
macOS High Sierra  
10.13 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 SDI to HDMI 12G  
SD card with software and manual

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## Warranty

3 year Limited Manufacturer's Warranty.

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