

Teranex Mini HDMI to 12G



Convert from HDMI to 12G-SDI. Works with SD and 12G-SDI rates and includes an up converter for converting HD to SD and 12G. 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.

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

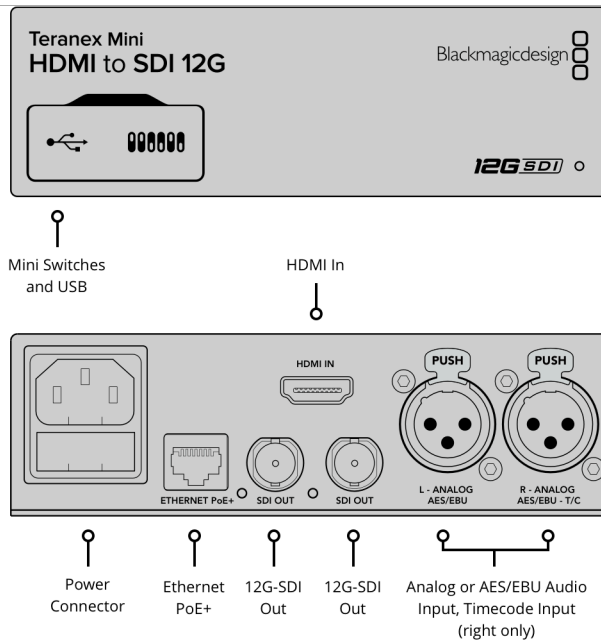
Automatic switching between SD/HD/2K and 4K.

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,
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2K Video Standards

1080p23.98, 1080p24, 1080p25

Ultra HD Video Standards

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

4K Video Standards

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

HDMI Color Space

REC 601, REC 709

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.

Format Conversion

HD up and down conversion

Software**Software Control**

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

Internal Software Upgrade

Via included updater application.

Operating Systems

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

Warranty

3 year Limited Manufacturer's Warranty.

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