

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.

Embedded Audio Support

8 channels.

Multi Rate Support

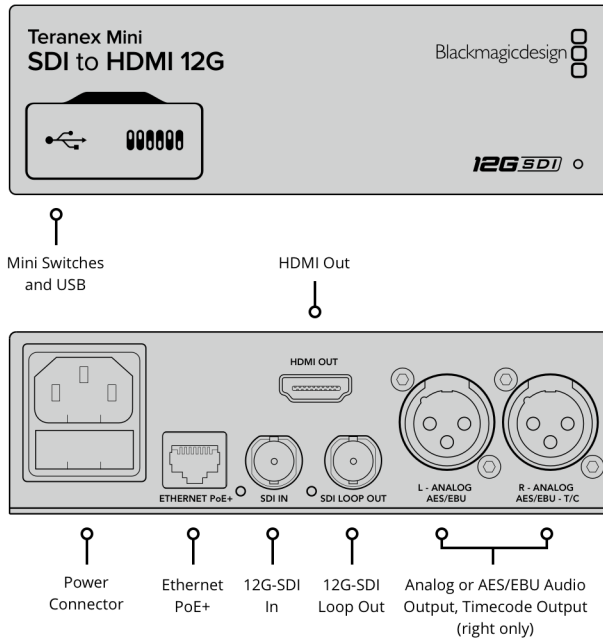
270MB, 1.5G, 3G, 6G and 12G.

Updates and Configuration

USB or Ethernet.

Reclocking

Yes



SDI 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
 1080PsF23.98, 1080PsF24,
 1080PsF25, 1080PsF29.97, 1080PsF30
 1080i50, 1080i59.94, 1080i60

2K Video Standards

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

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 switchable
 between standard definition, high
 definition level A and level B 3G-SDI,
 6G-SDI and 12G-SDI.

SDI Video Sampling

4:2:2 and 4:4:4

SDI Audio Sampling

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

SDI Color Precision

4:2:2 and 4:4:4

SDI Color Space

YUV and RGB. 33 point LUTs can be
 loaded via Teranex Utility.

HDMI 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

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, 4K DCI 29.97p, 4K DCI 30p

HDMI Color Space

REC 601, REC 709

HDMI Color Precision

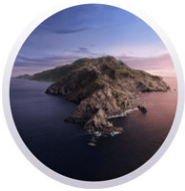
YUV 4:2:2 and RGB 4:4:4 in HD, 2K and 4K.

Software**Software Control**

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

Internal Software Upgrade

Via included updater application.

Operating Systems

Mac 10.14 Mojave,
Mac 10.15 Catalina or later.



Windows 8.1 and 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 SDI to HDMI 12G
SD card with software and manual

Warranty

3 year Limited Manufacturer's Warranty.

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