

# Teranex Mini HDMI to SDI 12G



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.

\$495

## Connections

## **SDI Video Output**

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

### **XLR Audio Input**

2 channels professional balanced analog audio via XLR connectors. Right XLR can be configured for timecode input.

#### **AES/EBU Audio Input**

4 channels professional  $110\Omega$  balanced digital audio via XLR connectors. Right XLR can be configured for Timecode input.

#### **HDMI 2.0**

1 x HDMI type A connector with support for 2160p60.

#### Multi Rate Support

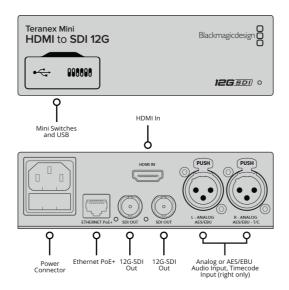
Automatic switching between SD/HD/ 2K and 4K.

# **Updates and Configuration**

USB or Ethernet.

#### Re-Clocking

Yes



# **SDI Output Formats**

#### **SD Format Support**

525i29.97 NTSC, 625i25 PAL

## **HD Format Support**

720p50, 59.94, 60 1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60 1080i50, 59.94,60

#### **Ultra HD Format Support**

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

### **4K Format Support**

2160p23.98, 24, 25, 29.97, 30

#### **SDI Compliance**

SMPTE 292M, SMPTE 259M, SMPTE 296M, SMPTE 372M, SMPTE 424M-B, SMPTE 425M, SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1, SMPTE 2082-10, ITU-R BT.656 and ITU-R BT.601

#### **SDI Video Rates**

SDI video connections are auto switching between standard definition SDI, 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

# **HDMI Input Formats**

### **SD Format Support**

525i29.97 NTSC, 625i25 PAL

#### **HD Format Support**

720p50, 59.94, 60 1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60 1080i50, 59.94, 60

#### **2K Format Support**

1080p23.98, 24, 25

#### **Ultra HD Format Support**

2160p23.98, 24, 25, 29.97, 30, 50, 59.94, 60

#### **4K Format Support**

2160p23.98, 24, 25, 29.97, 30

#### **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<sup>™</sup> and Windows<sup>™</sup> software upgrade via USB and Ethernet.

## Internal Software Upgrade

Via included updater application.

# Operating Systems



Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan 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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