

# Teranex Mini SDI to HDMI 8K HDR



Advanced 8K HDMI monitoring solution for converting SDI sources to HDMI in all HD, Ultra HD and 8K formats up to 4320p60. Includes 4 HDMI 2.0 output connections, built in down converter, HDR formats, 33 point 10-bit RGB LUTs, built in waveform, parade, vector and histogram scopes, monitor calibration and more.

\$1,395

## Connections

### SDI Video Inputs

4 x 12G-SDI HD/2K/4K/8K auto switching.  
Dual and quad link 12G-SDI for 8K only.

### SDI Video Outputs

4 x 12G-SDI loop output.

### HDMI Video Outputs

4 x HDMI 2.0 type A connector with support for HD, UHD and 4K in single link or 4320p60 in Quad Link.

### Analog Audio Outputs

2 channels analog audio via RCA connectors.

### Embedded Audio Support

16 channels of embedded audio on all SDI loop outputs and 8 channels on the HDMI outputs.

### Multi Rate Support

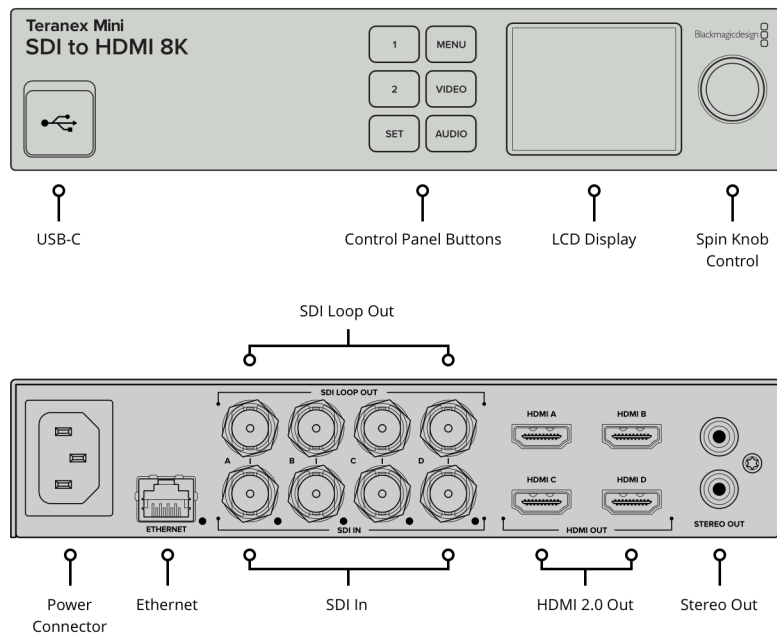
1.5G, 3G, 6G, 12G, 2SI Dual Link 12G-SDI, 2SI Quad Link 12G-SDI, Square Division Quad Link 12G-SDI.

### Updates and Configuration

USB-C or Ethernet.

### Reclocking

Yes



## Standards

### SD Video Standards

None

### HD Video Standards

720p50, 720p59.94, 720p60  
 1080i50, 1080i59.94, 1080i60  
 1080p23.98, 1080p24, 1080p25,  
 1080p29.97, 1080p30, 1080p47.95,  
 1080p48, 1080p50, 1080p59.94,  
 1080p60  
 1080PsF23.98, 1080PsF24,  
 1080PsF25, 1080PsF29.97, 1080PsF30

### 2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,  
 2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95  
 DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94  
 DCI, 2Kp60 DCI  
 2KPsF23.98 DCI, 2KPsF24 DCI,  
 2KPsF25 DCI, 2KPsF29.97 DCI,  
 2KPsF30 DCI

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,  
 2160p29.97, 2160p30, 2160p47.95,  
 2160p48, 2160p50, 2160p59.94,  
 2160p60

### 4K DCI Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,  
 4Kp29.97 DCI, 4Kp30 DCI, 4Kp47.95  
 DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94  
 DCI, 4Kp60 DCI

### 8K Video Standards

4320p23.98, 4320p24, 4320p25,  
 4320p29.97, 4320p30, 4320p47.95,  
 4320p48, 4320p50, 4320p59.94,  
 4320p60 Auto switching between 2SI  
 and Square Division

### 8K DCI Video Standards

8Kp23.98 DCI, 8Kp24 DCI, 8Kp25 DCI,  
 8Kp29.97 DCI, 8Kp30 DCI, 8Kp47.95  
 DCI, 8Kp48 DCI, 8Kp50 DCI, 8Kp59.94  
 DCI, 8Kp60 DCI Auto switching  
 between 2SI and Square Division

### 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 1.5G 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 and RGB.

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## HDMI Output Standards

### SD Video Standards

None

### HD Video Standards

720p50, 720p59.94, 720p60  
1080i50, 1080i59.94, 1080i60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p47.95,  
1080p48, 1080p50, 1080p59.94,  
1080p60

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,  
2160p29.97, 2160p30, 2160p47.95,  
2160p48, 2160p50, 2160p59.94,  
2160p60

### 8K Video Standards

4320p23.98, 4320p24, 4320p25,  
4320p29.97, 4320p30, 4320p47.95,  
4320p48, 4320p50, 4320p59.94,  
4320p60

### HDMI Color Space

REC 709, REC 2020

### HDMI Color Precision

YUV 4:2:2 in HD, 2K, 4K and 8K.  
33 point LUTs can be loaded via  
Teranex Utility or calibration LUT  
generated from calibration  
probe test.

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## Scopes

### Scopes

Waveform, RGB/YUV Parade, Vector,  
Histogram

### Viewing Modes

Two by scopes with picture overlay  
with opacity control. Waveform and  
Parade with standard and  
HDR graticules.

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## Software

### Software Control

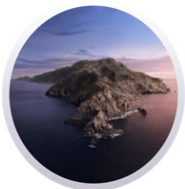
Mac OS X™ and Windows™ software  
upgrade via USB-C or Ethernet.

### Internal Software Upgrade

Via included updater application.

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## Operating Systems



Mac 10.14 Mojave,  
Mac 10.15 Catalina or later.



Windows 10, 64-bit.

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## Settings Control

### Settings Control

6 buttons and spin knob for menu  
and settings control, 2.2 inch color  
LCD display.

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## Power Requirements

### Power Supply

1 x built in international AC power supply with IEC C14 inlet. IEC Power cable required. 100 - 240V AC Input.

### Power Consumption

25 Watts

### Operational Voltage Range

100 - 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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## What's Included

Teranex Mini SDI to HDMI 8K HDR  
Welcome wallet with QR code for software download

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## Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller