Blackmagicdesign

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.

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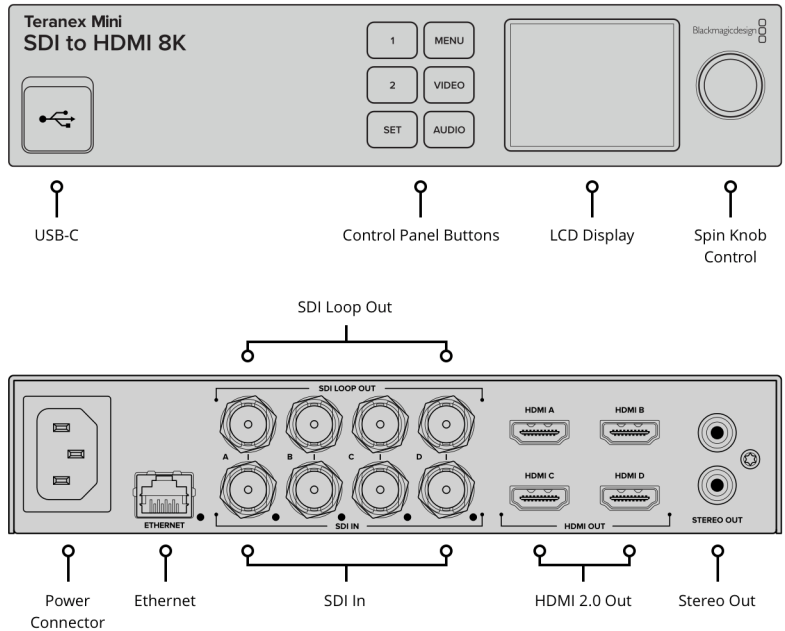
Multi Rate Support
1.5G, 3G, 6G, 12G, 2SI Dual Link 12G-SDI, 2SI Quad Link 12G-SDI, Square Division Quad Link 12G-SDI.

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.

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

Scopes

Scopes
Waveform, RGB/YUV Parade, Vector,
Histogram

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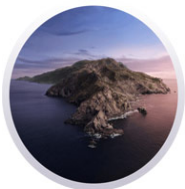Parade with standard and
HDR graticules.

Software

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

Internal Software Upgrade
Via included updater application.

Operating Systems

Mac 10.14 Mojave,
Mac 10.15 Catalina or later.

Windows 10, 64-bit.

Settings Control

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

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

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 8K HDR
SD card with software and manual

Warranty

1 year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller