Teranex Mini Optical to HDMI 12G



Now you can convert from SDI and SMPTE optical fiber to HDMI! Simply insert the SMPTE optical fiber module of your choice to get video and embedded audio over massive distances using 3G, 6G, or 12G-SDI optical fiber! You get professional 12G-SDI and XLR connections, a down converter for viewing Ultra HD sources on HD displays plus ethernet for remote admin control. The optical fiber SFP module is sold separately so you can purchase the SMPTE compatible 3G-SDI, 6G-SDI or 12G-SDI SFP module to suit your workflow. You can even add an optional Smart Panel to add LCD monitoring and push button controls to your Teranex Mini!

$645

Connections

SDI Video Inputs
1 x 12G-SDI SD/HD/2K/4K auto switching.

Optical Fiber Connection (optional)
Optional 3G, 6G or 12G-SDI single mode 1310 nm SFP module with LC connector.

Optical Fiber Video Inputs
1 x 12G-SDI SD/HD/2K/4K auto switching.

Optical Fiber Video Loop Through
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.

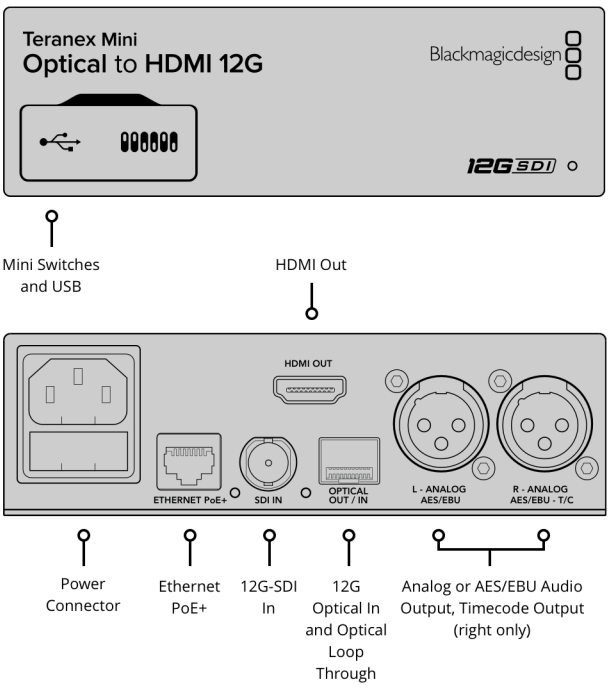
Digital Audio Outputs
4 channels professional 110Ω balanced digital audio via XLR connectors. Right XLR can be configured for Timecode output.

Embedded Audio Support
8 channels.

Multi Rate Support
Auto detection of SD, HD or 12G-SDI.

Updates and Configuration
USB and Ethernet.

Reclocking
Yes



Optical Input Standards

SD Video Standards
525i59.94 NTSC, 625i50 PAL

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

2K Video Standards
2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI
2KPsF23.98 DCI, 2KPsF24 DCI, 2KPsF25 DCI

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p47.95, 2160p48, 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.

HDMI Output Standards

SD Video Standards
525i59.94 NTSC, 625i50 PAL

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

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

4K Video Standards
4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p

HDMI Color Space
REC 601, REC 709

HDMI Color Precision
YUV 4:2:2 in HD, 2K and 4K. 33 point LUT can be loaded via the Teranex Utility.

Software

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

Internal Software Upgrade
Via included updater application.

Operating Systems



Mac 10.15 Catalina,
Mac 11.1 Big Sur or later.



Windows 10, 64-bit.

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. 100 - 240V AC Input.

Power Over Ethernet
Can be powered via 48V DC using PoE+ (power over ethernet).

Power Consumption
16 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 Optical to HDMI 12G
Welcome wallet with QR code for software download

Warranty

3 Year Limited Manufacturer's Warranty.

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