Teranex Mini IP Video 12G



Now you can convert video to IP and route it over your existing ethernet network, or you can convert IP video back to SDI. Teranex Mini IP Video 12G uses standard Blackmagic Videohub software and hardware control panels to configure and switch IP video over ethernet as easily as SDI signals! You get 12G-SDI and the low latency broadcast quality TICO codec so you can route HD over the built in gigabit ethernet connection or Ultra HD over 10G ethernet with an optional 10G SFP!

$659

Connections

SDI Video Inputs
1 x 10-bit HD-SDI, 6G-SDI and 12G-SDI

SDI Video Outputs
2 x 10-bit HD-SDI, 6G-SDI and 12G-SDI

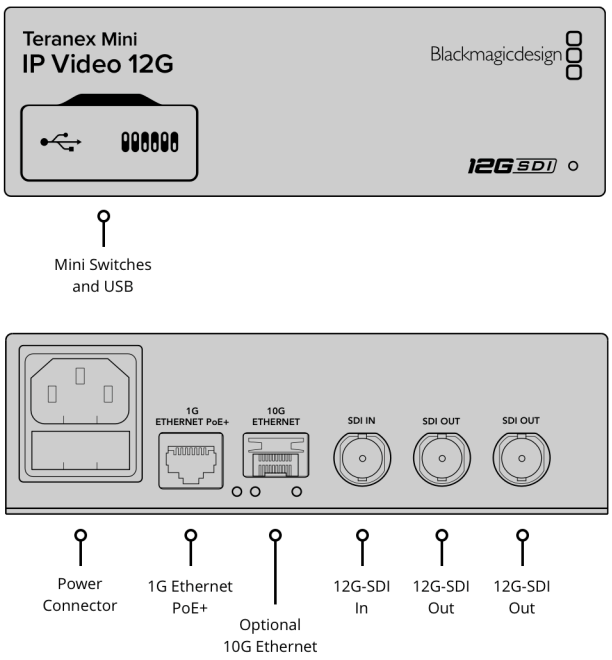
Ethernet
Gigabit ethernet supports 3G-SDI up to 1080p60 using TICO encoding/decoding. Optional 10G optical data ethernet supporting Ultra HD up to 2160p60 using TICO encoding/decoding.

Multi Rate Support
Auto detection of HD-SDI, 6G-SDI or 12G-SDI.

Updates
USB 2.0 high speed (480Mb/s) interface or via Ethernet.

Configuration
Ethernet or USB 2.0 for firmware updates and IP address setting.

Reclocking
On all SDI outputs, auto switching between high definition, 6G-SDI or 12G-SDI video.



Standards

HD Video Standards
720p50, 720p59.94, 720p60
1080i50, 1080i59.94, 1080i60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60
1080PsF23.98, 1080PsF24,
1080PsF25, 1080PsF29.97, 1080PsF30

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, 2160p50,
2160p59.94, 2160p60

4K Video Standards
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI

SDI Compliance
SMPTE 259M, SMPTE 292M,
SMPTE 296M, SMPTE 310M,
SMPTE 425M level A and B,
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 input is switchable between high definition, ultra high definition and 4K. SDI switches between 1.5 Gb/s HD-SDI, 3G-SDI, 6G-SDI and 12G-SDI.

SDI Video Sampling
4:2:2 plus 4:4:4 up to 4K DCI 30p

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

SDI Color Precision
10-bit 4:2:2 and 4:4:4

SDI Color Space
YUV or RGB for inputs, YUV for SDI outputs.

SDI Auto Switching
Automatically selects between HD-SDI, 6G-SDI and 12G-SDI.

SDI Metadata Support
Video payload identification ancillary data as per SMPTE 352M.

Display

Optional Teranex Mini Smart Panel with 2.2 inch LCD for menu settings.

Software

Software Control
Blackmagic IP Video Setup and Videohub Router Control Software included on SD card for Windows and Mac.

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

Control
Built in switches, setup software utility, or optional front mounted Teranex Mini Smart Panel with LCD, rotary knob and six settings buttons.

Power Requirements

Power Supply
IEC power cable required. 100 - 240V AC input.

Power Fail Protection
Settings preserved and restored instantly at power on.

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

Power Consumption
16 Watts

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 IP Video 12G
Welcome wallet with QR code for software download

Warranty

3 Year Limited Manufacturer's Warranty.

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