

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!

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

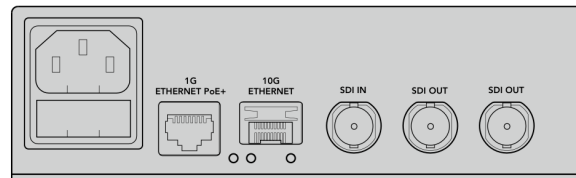
Ethernet or USB 2.0 for firmware updates and IP address setting.

Reclocking

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



Mini Switches
and USB



Power Connector
1G Ethernet PoE+
Optional 10G Ethernet
12G-SDI In
12G-SDI Out
12G-SDI Out

Standards

HD Video Standards

720p50, 720p59.94, 720p60,
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60, 1080PsF23.98,
1080PsF24, 1080i50, 1080i59.94,
1080i60
Automatic detection of Level A or
Level B SDI on 1080p50, 1080p59.94
and 1080p60

2K Video Standards

2K DCI 23.98p, 2K DCI 24p, 2K DCI
25p, 2K DCI 23.98PsF, 2K DCI 24PsF,
2K DCI 25PsF

Ultra HD Video Standards

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

4K Video Standards

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

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE
296M, SMPTE 310M, SMPTE 425M,
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 10.12 Sierra,
Mac 10.13 High Sierra or later.



Windows 8.1 or Windows 10.

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. 90 - 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
SD card with software and manual.

Warranty

3 year Limited Manufacturer's Warranty.

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