

Blackmagic 2110 IP Converter 3x3G



The new Blackmagic 2110 IP Converter 3x3G lets you convert 3 separate 3G-SDI devices to 2110 IP video systems. That's because its 10G Ethernet connection can handle 3 separate video channels at the same time. Plus each channel has independent SDI inputs and SDI outputs, so you could even connect to 6 completely different SDI devices! All 3G-SDI inputs feature loop outputs so you can install the converter in line within existing SDI systems. There's also a reference output, timed to the 2110 PTP clock! Blackmagic 2110 IP Converter 3x3G includes an elegant front panel with a color LCD for monitoring, menus and diagnostics. You can even route IP inputs from the panel!

\$595

Connections

SDI Inputs

3

SDI Loop Outputs

3

SDI Outputs

3

SDI Audio Inputs

16 channels embedded audio.

SMPTE 2110 Input / Output

10G Ethernet supports 3 x video input channels and 3 x video output channels each up to 1080p60 and up to 16 channels of embedded audio plus ancillary data.

10G Ethernet Port

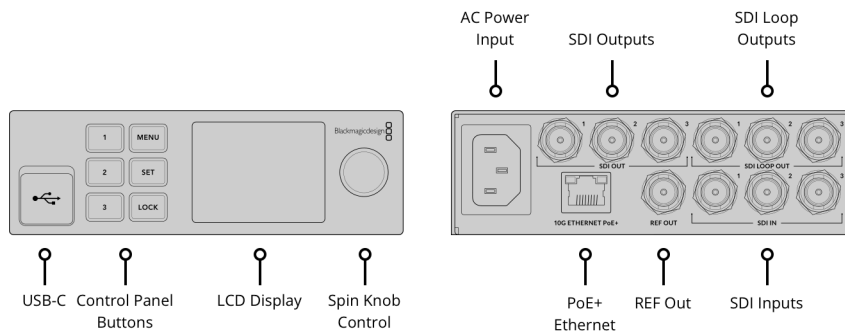
1 x 10Gb/s PoE+ RJ-45 connector supports 10/100/1000/10G BASE-T.

Reference Output

Tri-Sync or Black Burst.

Computer Interface

USB-C for updates, configuration and control.



Video 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, 1080p50,
1080p59, 1080p59.94, 1080p60

SDI Compliance

SMPTE 259M, SMPTE 292M,
SMPTE 296M, SMPTE 424M,
SMPTE 425M level A and level B, ITU-
R BT.656, ITU-R BT.601.

SDI Metadata Support

RP 188/SMPTE 12M-2 and
closed captioning.

Audio Sampling

Television standard sample rate of 48
kHz and 24 bit.

Color Precision

8, 10 RGB 4:4:4 in all modes up to
1080p30 and 8, 10-bit YUV 4:2:2 in
all modes.

Color Space

REC 601, REC 709

IP Video Compliance

SMPTE 2110-20 (Uncompressed Video)

IGMP v2

SMPTE 2110-21 (Traffic Shaping)

Sender: Narrow
Receiver: Narrow, Wide Synchronous,
Asynchronous

SMPTE 2110-30 (PCM)

Audio Conformance level: Level C

SMPTE 2110-40 (Ancillary Data)

Full access to entire SMPTE ancillary
data stream. Includes RP 188/SMPTE
12M-2, closed captioning and HDR
static metadata.

Precision Time Protocol

IEEE 1588-2008 (PTP v2)
ST 2059-1
ST 2059-2

NMOS IS-04 Discovery and Registration

v1.3.2
Peer-to-peer via mDNS/DNS-SD

NMOS IS-05 Connection Management

v1.1.2

NMOS BCP-002-01

Natural Grouping

NMOS BCP-004-01

Receiver capabilities

Control

Built in Control Panel

6 buttons with spin knob control and
2.2 inch color display for device
control and menu settings.

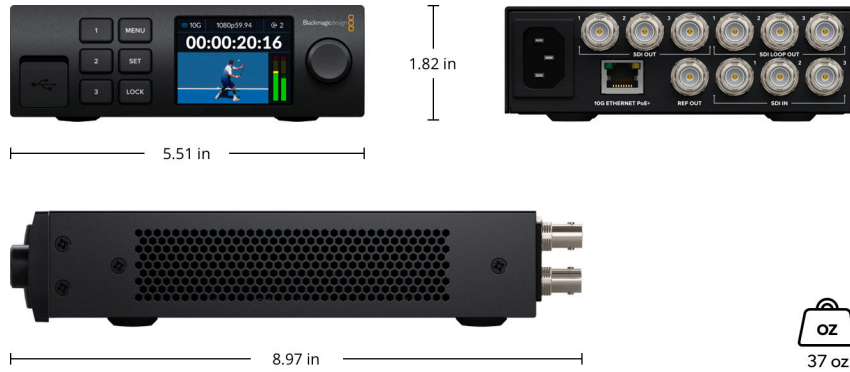
External Control

RJ-45 10Gb/s Ethernet and USB-C.

Display

Built in 2.2 inch LCD for video, video
standard, audio and timecode
monitoring plus menu settings.

Physical Specifications



Operating Systems



Mac 12.0 Monterey,
Mac 13.0 Ventura or later.



Windows 10, 64-bit.
Windows 11.

Power Requirements

Power Supply

1 x Internal 100 - 240V AC 50/60Hz.

Power Inputs

1 x IEC C14 socket for AC power.
1 x RJ45 Ethernet connector for
power from PoE power supplies.

Power Usage

TBA

Environmental Specifications

Operating Temperature

5° 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

Blackmagic 2110 IP Converter 3x3G
Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's Warranty

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