

# Blackmagic 2110 IP Converter 3x3G



**\$655**

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!

## 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

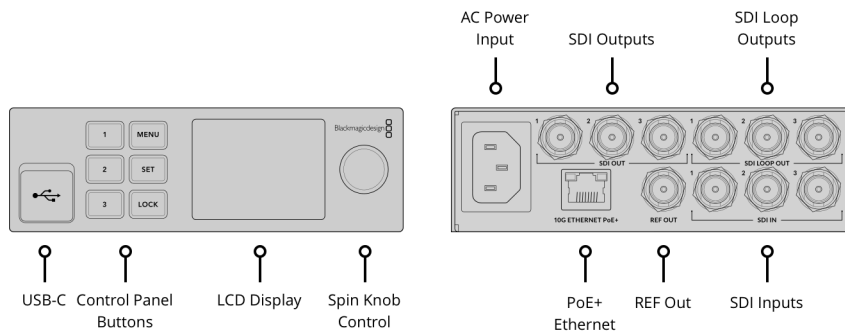
1 x 10Gb/s PoE+ RJ-45 connector supports 10/100/1000/10G BASE-T.

### Reference Output

Tri-Sync or Black Burst.

### Computer Interface

USB-C for updates, configuration and control.



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## Video Standards

### HD Video Standards

720p50, 720p59.94, 720p60  
1080i50, 1080i59.94, 1080i60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60

### SDI Compliance

SMPTE 292M, SMPTE 296M,  
SMPTE 424M, SMPTE 425M, 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 709

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## 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

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## 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.

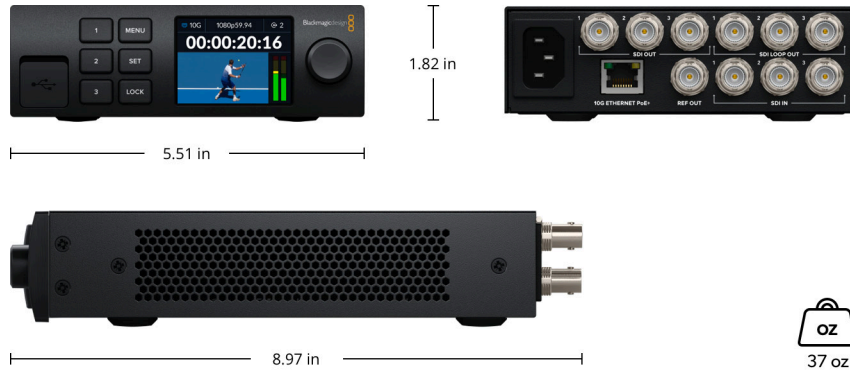
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## Display

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

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## Physical Specifications



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## Operating Systems



Mac 13.0 Ventura,  
Mac 14.0 Sonoma or later.



Windows 10 and 11.

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## 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

20 W

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## 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

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## What's Included

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

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## Warranty

### 1 Year Limited Manufacturer's Warranty

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