

# Blackmagic 2110 IP Converter 4x12G PWR



Blackmagic 2110 IP Converter 4x12G PWR lets you add SMPTE-2110 IP video to 12G-SDI broadcast equipment. It features 4 independent bidirectional 12G-SDI to SMPTE-2110 IP video converters using RJ-45 10G Ethernet connections which can also provide power. Its 1RU design includes a control panel with LCD and supports HD and Ultra HD standards up to 2160p60.

€2 019

## Connections

### Total SDI Inputs

5

### SDI Video Inputs

4

### SDI Main Program Inputs

1

### Total SDI Outputs

5

### SDI Video Outputs

4

### SDI Main Program Outputs

1 Loop Out.

### SDI Rates

270Mb, 1.5G, 3G, 6G, 12G.

### SMPTE ST-2110 IP Video Inputs

4 x 10G Ethernet

### SMPTE ST-2110 IP Video Outputs

4 x 10G Ethernet

### Analog Audio Outputs

1 x 6.35 mm headphone socket.

### SDI Audio Inputs

16 Ch embedded audio on SDI input.

### SDI Audio Outputs

16 Ch embedded audio on SDI loop output.

### SMPTE ST 2110 IP Audio Inputs

16 Ch embedded audio on ST-2110 IP video via 10G Ethernet.

### SMPTE ST 2110 IP Audio Outputs

16 Ch embedded audio on ST-2110 IP video via 10G Ethernet.

### Multi Rate Support

Auto detection of SD, HD, Ultra HD and 4K.

### Reclocking

Yes

### Ethernet

4 x 10Gb/s RJ-45 PoE++ connectors supporting 10/100/1000/10G BASE-T for SMPTE 2110 IP video in and out. PoE++ is power output only for powering connected PoE devices such as Blackmagic Cameras and Converters.

1 x 1Gb/s RJ-45 connector supporting 10/100/1000 BASE-T for configuration and firmware updates.

### Computer Interface

1 x USB-C 3.0 for configuration and firmware updates.



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**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.

**Codec**

Blackmagic IP10 codec used when converting 12G-SDI rates to 10G 2110 IP video.

**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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## Audio

Front panel audio monitor speaker with speaker control button, plus 6.35 mm headphone socket.

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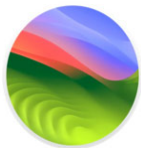
## Control

**Built in Control Panel**

12 button control panel, 2.2 inch color display and spin knob for setup and menu settings.

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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**

2 x Internal 100 - 240V AC 50/60Hz  
with IEC C14 mains input.

**Power Usage**

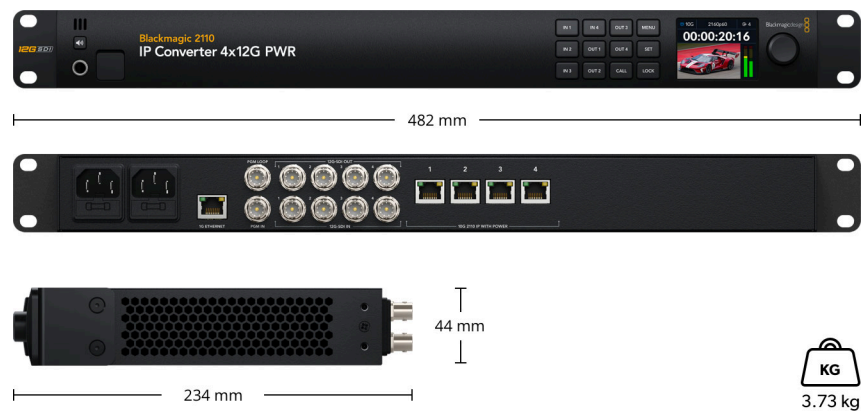
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## Physical Installation

1 rack unit.

Physical Specifications



Environmental Specifications

Operating Temperature	Storage Temperature	Relative Humidity
5° to 40° C (41° to 104° F)	-20° to 45° C (-4° to 113° F)	0% to 90% non-condensing

What's Included

Blackmagic 2110 IP Converter 4x12G PWR  
Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's Warranty.

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