Blackmagic 2110 IP Mini BiDirect 12G



Blackmagic 2110 IP Mini BiDirect 12G lets you convert broadcast cameras with SDI connections to SMPTE-2110 IP video systems. Its 12G-SDI connection supports SD, HD and Ultra HD standards up to 2160p60 and even handles the SDI program return. Blackmagic 2110 IP Mini BiDirect 12G also has a 5 pin XLR talkback headset connection with talkback volume control and a press to talk button. It connects and powers from 10G Ethernet or the included DC power supply.

$599

Connections

SDI Video Inputs
1

SDI Video Outputs
1

SDI Rates
1.5G, 3G, 6G, 12G.

SMPTE ST-2110 IP Video Inputs/ Outputs
1 x 10G Ethernet

Analog Audio Inputs
1 x 5 pin XLR Talkback.

Analog Audio Outputs
1 x 5 pin XLR Talkback.

SDI Audio Inputs
16 Ch embedded audio on SDI input.

SDI Audio Outputs
16 Ch embedded audio on SDI output.

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

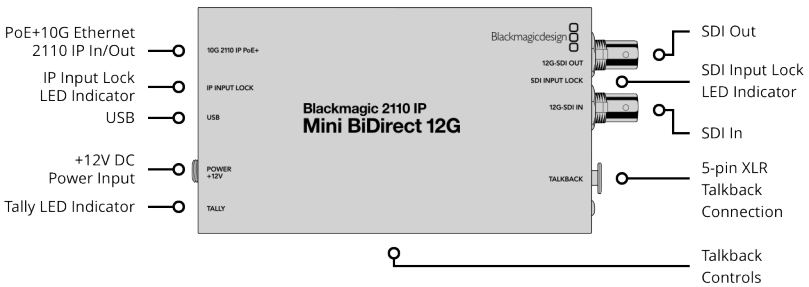
SMPTE ST 2110 IP Audio Outputs
16 Ch embedded audio on ST-2110 IP video via 10G Ethernet.

Multi Rate Support
Auto detection of HD, Ultra HD and 4K.

Reclocking
Yes

Ethernet
1 x 10Gb/s RJ-45 connector for SMPTE-2110 IP video in and out.

Computer Interface
1 x USB-C for configuration and firmware updates.



SDI Video Standards

HD Video Standards
720p50, 720p59.94, 720p60
1080i50, 1080i59.94, 1080i60
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60
1080PsF25, 1080PsF29.97, 1080PsF30

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p47.95, 2160p48, 2160p50, 2160p59.94, 2160p60

4K Video Standards
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI, 4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94 DCI and 4Kp60 DCI.

SDI Compliance
SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M, SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1, SMPTE 2082-10, SMPTE ST2110-20, SMPTE ST2110-21, SMPTE ST2110-30, SMPTE ST2110-40.

SDI Video Rates
SDI video connections are switchable between standard definition, 720p, 1080i, 1080p, 2K DCI, Ultra HD and 4K DCI.

SDI Color Precision
4:2:2

SDI Color Space
YUV

SDI Auto Switching
SDI video connections are switchable between 720p, 1080i, 1080p, Ultra HD and 4K DCI.

IP Video Compliance

SMPTE 2110-20 (Uncompressed Video)
IGMP v3

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.

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

LED Indicators

1 x IP Input Lock LED indicator light
1 x SDI Input Lock LED indicator light
1 x Tally LED indicator light

Control

Talkback button controls for Volume Up, Volume Down and Push to Talk.

Talkback and Tally

Talkback
5-pin XLR talkback headset connection for talkback on channels 15/16 in the SDI and 2110 IP video.

Live Tally Indicator
Tally LED indicator light

Operating Systems

Mac 13.0 Ventura,
Mac 14.0 Sonoma or later.

Windows 10 and 11.

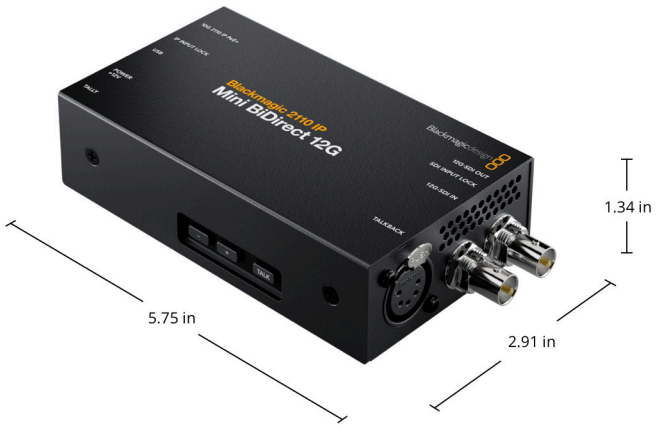
Power Requirements

Power Supply
1 x +12V DC external universal power supply with locking 5.5mm barrel Jack plus international socket adapters for most countries.
1 x RJ45 Ethernet connector for power from PoE++ power supplies.

Operational Voltage Range
12 - 16 V

Power Usage
18W

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 Mini BiDirect 12G
Plug Pack Power Supply with universal adaptor plugs

Warranty

1 Year Limited Manufacturer's Warranty.

All items on this website are copyright Blackmagic Design Pty. Ltd. 2026, all rights reserved. All trademarks are property of their respective owners. MSRP includes duties, but excludes sales tax and shipping costs. This website uses remarketing services to advertise on third party websites to previous visitors to our site. You can opt out at any time by changing cookie settings. Privacy Policy

Blackmagic Design Authorized Reseller