

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.

415 €*

Anschlüsse

SDI-Videoeingänge

1

SDI-Videoausgänge

1

SDI-Raten

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

SMPTE ST-2110 IP Video Inputs/

Outputs

1 x 10G Ethernet

Analoge Audioeingänge

1 x 5 pin XLR Talkback.

Analoge Audioausgänge

1 x 5 pin XLR Talkback.

SDI-Audioeingänge

16 Ch embedded audio on SDI input.

SDI-Audioausgänge

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.

Multirate-Unterstützung

Auto detection of SD, HD, 2K, Ultra HD and 4K.

Reclocking

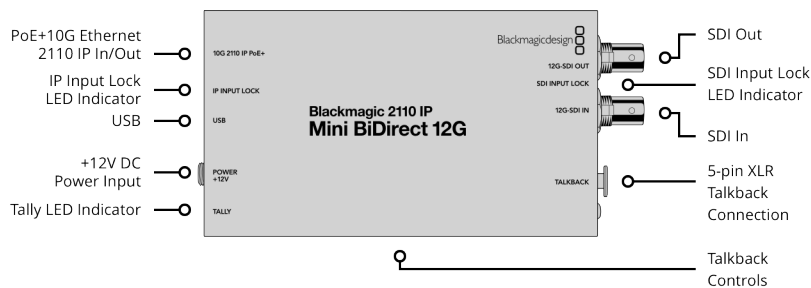
Ja

Ethernet

1 x 10Gb/s RJ-45 connector supporting 10/100/1000/10G BASE-T for SMPTE-2110 IP video in and out, configuration and firmware updates.

Computer-Schnittstelle

2 x USB-C 3.1 Gen 1 (up to 5 Gb/s) for configuration and firmware updates.



SDI-Videonormen

SD-Videonormen

525i/59,94 NTSC; 625i/50 PAL

HD-Videonormen

720p/50; 720p/59,94; 720p/60
1080i/50; 1080i/59,94; 1080i/60
1080p/23,98; 1080p/24; 1080p/25;
1080p/29,97; 1080p/30; 1080p/47,95;
1080p/48; 1080p/50; 1080p/59,94;
1080p/60
1080PsF/25; 1080PsF/29,97; 1080PsF/
30

2K-Videonormen

2Kp/23,98 DCI; 2Kp/24 DCI; 2Kp/
25 DCI; 2Kp/29,97 DCI; 2Kp/30 DCI;
2Kp/47,95 DCI; 2Kp/48 DCI; 2Kp/
50 DCI; 2Kp/59,94 DCI; 2Kp/60 DCI
2KPsF/25 DCI; 2KPsF/29,97 DCI;
2KPsF/30 DCI

Ultra-HD-Videonormen

2160p/23,98; 2160p/24; 2160p/25;
2160p/29,97; 2160p/30; 2160p/47,95;
2160p/48; 2160p/50; 2160p/59,94;
2160p/60

4K-Videonormen

4Kp/23,98 DCI; 4Kp/24 DCI; 4Kp/
25 DCI; 4Kp/29,97 DCI; 4Kp/30 DCI;
4Kp/47,95 DCI; 4Kp/48 DCI; 4Kp/
50 DCI; 4Kp/59,94 DCI und 4Kp/
60 DCI.

SDI-Konformität

SDI-Videoraten

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

SDI-Farbgenauigkeit

4:2:2

SDI-Farbraum

YUV

Automatische SDI-Umschaltung

Automatically detects SD, HD, 2K DCI,
Ultra HD and 4K DCI. Level A and B is
automatically detected on 3G-SDI
input and user selectable on
3G-SDI output.

IP-Videokonformität

SMPTE 2110-20

(Unkomprimiertes 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 (Zusatzdaten)

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 (PTP)

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

NMOS IS-05 连接管理

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

NMOS IS-05 Verbindungsverwaltung

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

Steuerung

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

Talkback und Tally

Talkback

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

Live-Tally-Anzeigen

Tally LED indicator light

Betriebssysteme



Mac 13.0 Ventura,
Mac 14.0 Sonoma oder höher



Windows 10 und 11

Strombedarf

Stromversorgung

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.

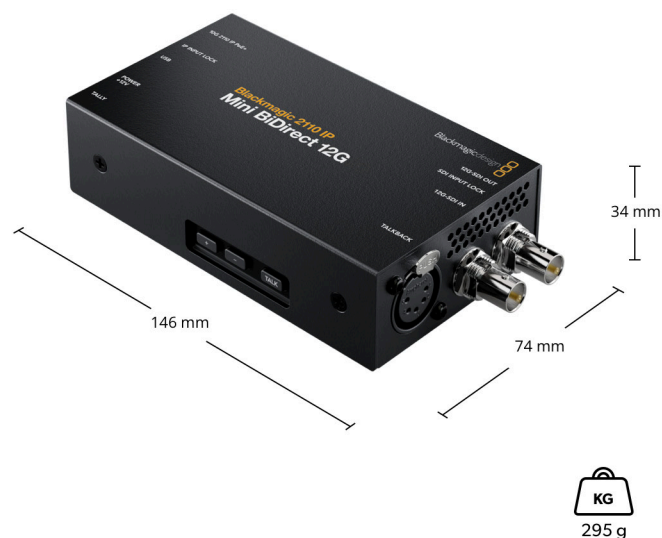
Betriebsspannungsbereich

12 - 16 V

Energieverbrauch

18W

Physische Spezifikationen



Umgebung

Betriebstemperatur

5° to 40° C (41° to 104° F)

Lagerungstemperatur

-20° to 45° C (-4° to 113° F)

Relative Luftfeuchtigkeit

0% to 90% non-condensing

Im Lieferumfang enthalten

Blackmagic 2110 IP Mini BiDirect 12G

Plug Pack Power Supply with universal adaptor plugs

Garantie

12 Monate eingeschränkte Herstellergarantie

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