

Blackmagic 2110 IP Converter 8x12G SFP

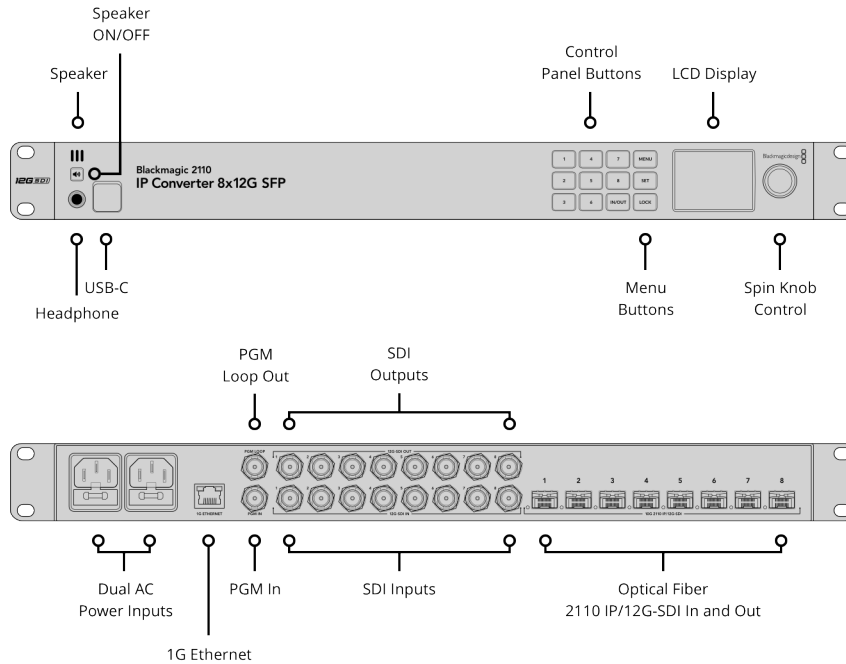


Blackmagic 2110 IP Converter 8x12G SFP lets you add SMPTE-2110 IP video to 12G-SDI broadcast equipment. It features 8 independent bidirectional 12G-SDI to SMPTE-2110 IP video converters using SFP modules for compatibility with optical fiber Ethernet modules for long distances. Its 1RU design includes and control panel with LCD and support HD and Ultra HD standards up to 2160p60.

\$2,879

Connections

Total SDI Inputs 9	SMPTE ST-2110 IP Video Inputs/Outputs 8 x 10G Ethernet	Analog Audio Outputs 1 x 6.35 mm headphone socket.
SDI Video Inputs 8	Analog Audio Outputs 1 x 6.35 mm headphone socket.	Multi Rate Support Auto detection of SD, HD, Ultra HD and 4K.
SDI Main Program Inputs 1	SDI Audio Inputs 16 Ch embedded audio on SDI input.	Reclocking Yes
Total SDI Outputs 9	SDI Audio Outputs 16 Ch embedded audio on SDI loop output.	Ethernet 8 x 10Gb/s SFP sockets supporting up to 10G BASE-T for SMPTE 2110 IP video in and out. 1 x 1Gb/s RJ-45 connector supporting 10/100/1000 BASE-T for configuration and firmware updates.
SDI Video Outputs 8	SMPTE ST 2110 IP Audio Inputs 16 Ch embedded audio on ST-2110 IP video via 10G Ethernet.	Computer Interface 1 x USB-C 3.0 for configuration and firmware updates.
SDI Main Program Outputs 1 Loop Out.	SMPTE ST 2110 IP Audio Outputs 16 Ch embedded audio on ST-2110 IP video via 10G Ethernet.	
SDI Rates 270Mb, 1.5G, 3G, 6G, 12G.		



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 2084, SMPTE 2108-1,
 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

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 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-05 Connection Management v1.1.2
Codec Blackmagic IP10 codec used when converting 12G-SDI rates to 10G 2110 IP video.	NMOS IS-04 Discovery and Registration v1.3.2 Peer-to-peer via mDNS/DNS-SD	NMOS BCP-002-01 Natural Grouping
		NMOS BCP-004-01 Receiver capabilities

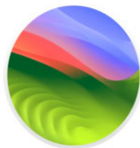
Audio

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

Control

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

Operating Systems



Mac 13.0 Ventura,
Mac 14.0 Sonoma or later.



Windows 10 and 11.

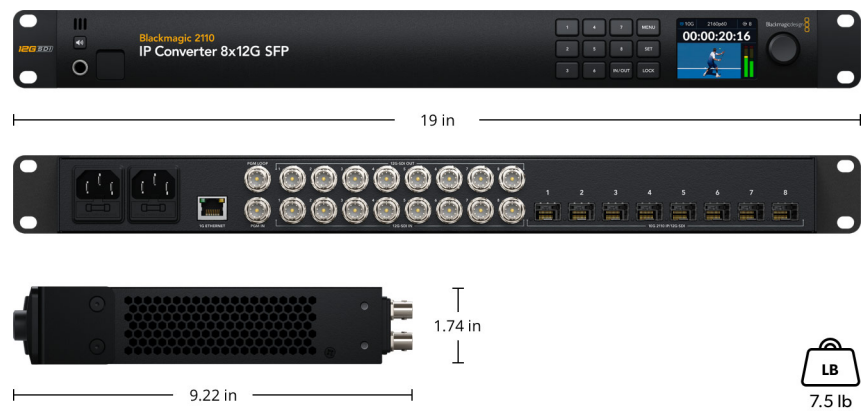
Power Requirements

Power Supply 2 x Internal 100 - 240V AC 50/60Hz with IEC C14 mains input.	Power Usage 70 W max.
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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 8x12G SFP

Warranty

1 Year Limited Manufacturer's Warranty.

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