

DeckLink IP 100G



DeckLink IP 100G features 8 channels of Ultra HD video, in simultaneous capture and playback to 2110 IP broadcast systems via dual QSFP28 optical fiber Ethernet connections for full redundancy. It is designed to work with the highest quality video with support for capture and playback to popular formats such as Apple ProRes, DNxHD and even 10-bit uncompressed. DeckLink IP 100G connections are multi rate so they support all SD, HD and Ultra HD standards up to 2160p120.

\$1,975

Connections

100G Ethernet Ports

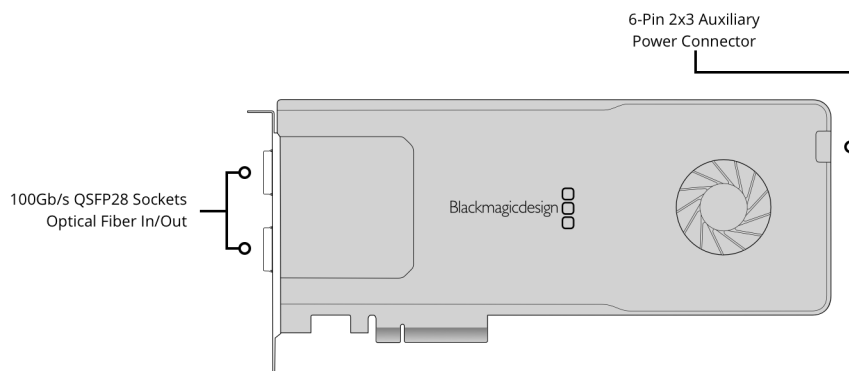
2 x 100Gb/s QSFP28 connectors.

Computer Interface

PCI Express 8 lane generation 4, compatible with 8 and 16 lane PCI Express slots.

Power

6-pin 2x3 auxiliary power connector.



Supported Codecs

AVC-Intra, AVCHD, Canon XF MPEG2,
Digital SLR, DV-NTSC, DV-PAL,
DVCPRO50, DVCPROHD, DPX, HDV,
XDCAM EX, XDCAM HD, XDCAM
HD422, DNxHR and DNxHD, Apple
ProRes 4444, Apple ProRes 422 HQ,
Apple ProRes 422, Apple ProRes LT,
Apple ProRes 422 Proxy,
Uncompressed 8-bit 4:2:2,
Uncompressed 10-bit 4:2:2,
Uncompressed 10-bit 4:4:4.

Software

Software Included

DaVinci Resolve, Media Express, Disk
Speed Test, LiveKey, Blackmagic
Desktop Video Utility and Blackmagic
driver on Mac OS and Windows.
Media Express, Blackmagic Desktop
Video Utility and Blackmagic driver
on Linux.

Internal Software Upgrade

Firmware built into software driver.
Loaded at system start or via
updater software.

Physical Installation

PCI Express 8 lane generation 4, compatible with 8, 16 lane PCI Express slots on Mac OS, Windows and Linux. Requires connection to computer power supply via 2x3 auxiliary power connector. Please check the Support pages to see the full system requirements.

Software Applications



DaVinci Resolve



Fusion



Final Cut Pro



Adobe Premiere Pro



Avid Media Composer



Adobe After Effects



Avid Pro Tools



Steinberg Cubase



Autodesk Flame



Adobe Photoshop

Other supported applications include: Steinberg Nuendo, Open Broadcaster Software Studio, vMix, The Foundry Nuke, Grass Valley Edius X, Sony Catalyst Production Suite, Tools On Air Just: Play & Live & In, Softron MovieRecorder & MReplay, Adobe Flash Media Live Encoder, Telestream Wirecast, Resolume Arena, Vegas Creative Software Vegas Pro & Vegas Edit, Corel VideoStudio Pro, CyberLink PowerDirector, VidblasterX Studio & Broadcast, CasparCG Server, Magicsoft CG, Xsplit Broadcaster, DevTek Easy Media Suite, Metus Ingest, Boinx Software MimoLive, Cinegy Capture Pro, Renewed Vision ProPresenter, Ventuz Director, Class X Liveboard & Coral CG, Glookast Capturer, Nautilus Studio NEMO3D, Derivative TouchDesigner, Assimilate Scratch & Live Assist, Burst Video WebClip2Go & [REC]Marker, NewBlue Title Live & Titler Pro, SGO Mistika, Zoom.

These are third party applications and support may vary, check with your software vendor.

Video Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

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, 1080p95.90, 1080p96,
1080p100, 1080p119.88, 1080p120

2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,
2Kp29.97 DCI, 2Kp30 DCI,
2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI,
2Kp59.94 DCI, 2Kp60 DCI,
2Kp95.90 DCI, 2Kp96 DCI,
2Kp100 DCI, 2Kp119.88 DCI,
2Kp120 DCI

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94,
2160p60, 2160p95.90, 2160p96,
2160p100, 2160p119.88, 2160p120

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, 4Kp60 DCI,
4Kp95.90 DCI, 4Kp96 DCI,
4Kp100 DCI, 4Kp119.88 DCI,
4Kp120 DCI

Audio Sampling

Television standard sample rate of 48 kHz at 24-bit.

Color Precision

8, 10, 12-bit RGB 4:4:4 and 8, 10-bit YUV 4:2:2: in all modes.

Color Space

REC 601, REC 709, REC 2020.

HDR Support

HDR static metadata packing, HLG and PQ transfer characteristics.

IP Video Compliance

SMPTE 2110-20 (Uncompressed Video) IGMP v2/v3	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.	NMOS IS-04 Discovery and Registration v1.3.2 Peer-to-peer via mDNS/DNS-SD
SMPTE 2110-21 (Traffic Shaping) Sender: Narrow Receiver: Narrow, Wide Synchronous, Asynchronous	SMPTE 2022-7 (Redundant streams) Receiver class TBC	NMOS IS-05 Connection Management v1.1.2
SMPTE 2110-30 (PCM) Audio Conformance level: Level C	Precision Time Protocol IEEE 1588-2008 (PTP v2) ST 2059-1 ST 2059-2	NMOS BCP-002-01 Natural Grouping
		NMOS BCP-004-01 Receiver capabilities

Processing

Colorspace Conversion Hardware based real time.	Real Time Effects DaVinci Resolve, Final Cut Pro internal effects. Adobe Premiere Pro CC Mercury Playback Engine effects. Avid Media Composer internal effects.
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Physical Specifications



Operating Systems



Mac 14.0 Sonoma,
Mac 15.0 Sequoia or later.



Windows 10, 64-bit.
Windows 11.



Linux

Power Requirements

Power Consumption

TBC

Environmental Specifications

Operating Temperature:

5° to 50° C (41° to 122° F)

Storage Temperature:

-20° to 60° C (-4° to 140° F)

Relative Humidity:

0% to 90% non-condensing

What's Included

DeckLink IP 100G

Welcome wallet with QR code for software download

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller