

DeckLink IP 100G



\$1,645

DeckLink IP 100G features up to 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 2160p60.

Connections

100G Ethernet Ports

2 x 100Gb/s QSFP28 connectors.

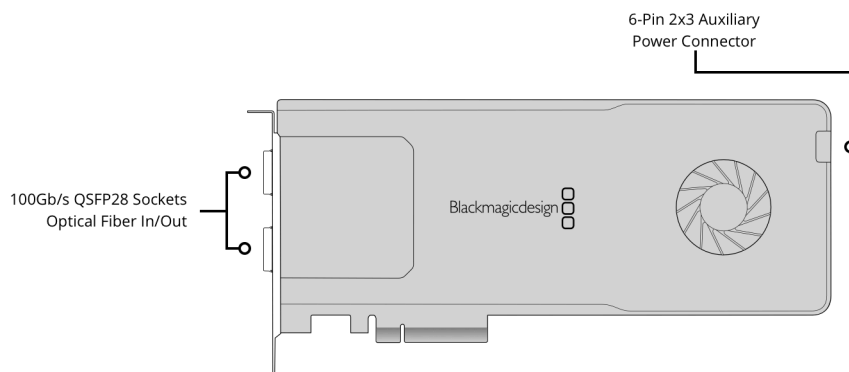
[Please click here to view supported QSFP28 modules.](#)

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

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

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, 4Kp60 DCI

Audio Sampling

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

Color Precision

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 2110-21 (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.

SMPTE 2022-7 (Redundant streams)
Receiver class A

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

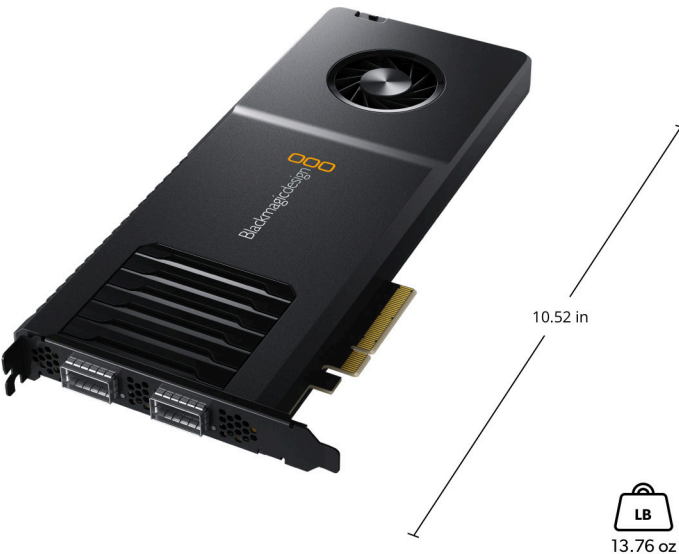
NMOS BCP-004-01
Receiver capabilities

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.

Physical Specifications



Operating Systems



Mac 15.0 Sequoia,
Mac 26.0 Tahoe or later.



Windows 10, 64-bit.
Windows 11.



Linux

- 4 channels Ultra HD p60 capture and playback supported on Mac OS.
- 8 channels Ultra HD p60 capture and playback supported on Windows and Linux

Power Requirements

Power Consumption

50 Watts

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