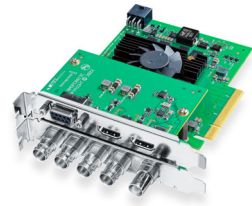


DeckLink 8K Pro G2

**\$825**

DeckLink 8K Pro G2 includes four bi-directional 12G-SDI plus HDMI 2.1 connections to support all SD, HD, Ultra HD, 4K and 8K standards, making it the ultimate professional 8K PCIe capture and playback card for designed for feature film production. You can also use the free DeckLink SDK to configure up to 4 video streams in any direction, format or frame rate up to 4K DCI 60p, for true multi channel capture and playback. DeckLink 8K Pro G2 supports 8 and 10-bit YUV 4:2:2, as well as 10 and 12-bit RGB 4:4:4 with full Rec. 2020 color. In addition, you can work at up to 120 frames per second in HD and 4K, and up to 60 frames per second in 8K. The four 12G-SDI connections support up to 64 channels of embedded audio. DeckLink 8K Pro G2 is perfect for the next generation of high resolution, high frame rate and high dynamic range workflows!

Connections

SDI Video Inputs

4 x bi-directional 12G-SDI
Supports SD/HD/2K/4K/8K, single, dual link and quad link 4:2:2/4:4:4. 2D/3D switchable.

SDI Video Outputs

4 x bi-directional 12G-SDI
Supports SD/HD/2K/4K/8K, single, dual link and quad link 4:2:2/4:4:4. 2D/3D switchable.

SDI Audio Inputs

16 Channels embedded in SD/HD/2K.
64 Channels embedded in 4K/8K.

SDI Audio Outputs

16 Channels embedded in SD/HD/2K.
64 Channels embedded in 4K/8K.

HDMI Video Inputs

1 x HDMI 2.1

HDMI Video Outputs

1 x HDMI 2.1

HDMI Audio Inputs

8 Channels embedded in TMDS.
32 Channels embedded in FRL.

HDMI Audio Outputs

8 Channels embedded in TMDS.
32 Channels embedded in FRL.

Sync Input

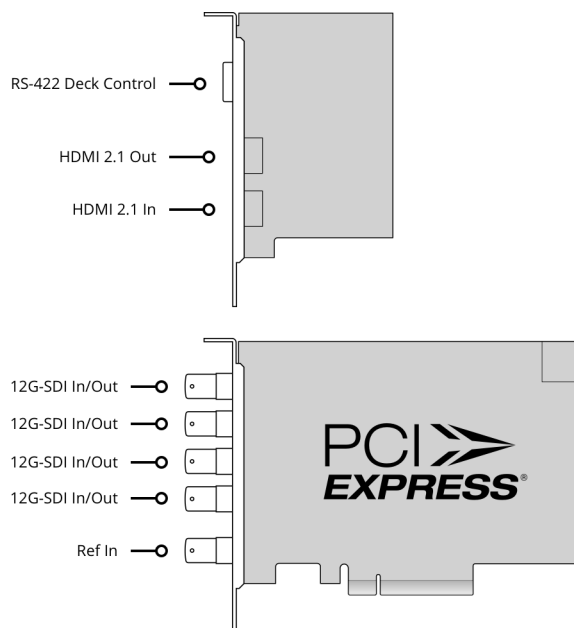
Tri-Sync or Black Burst.

Remote Control

1 x RS-422 Out

Computer Interface

PCI Express 8 lane generation 3, compatible with 8 and 16 lane PCI Express slots.



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 3, compatible with 8, 16 lane PCI Express slots on Mac OS, Windows and Linux. Requires 2 PCI slots plus connection to computer power supply. 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.

SDI 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
1080PsF23.98, 1080PsF24,
1080PsF25, 1080PsF29.97, 1080PsF30

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
2KPsF23.98 DCI, 2KPsF24 DCI,
2KPsF25 DCI, 2KPsF29.97 DCI,
2KPsF30 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

8K Video Standards

4320p23.98, 4320p24, 4320p25,
4320p29.97, 4320p30, 4320p47.95,
4320p48, 4320p50, 4320p59.94,
4320p60

8K DCI Video Standards

8Kp23.98 DCI, 8Kp24 DCI, 8Kp25 DCI,
8Kp29.97 DCI, 8Kp30 DCI,
8Kp47.95 DCI, 8Kp48 DCI, 8Kp50 DCI,
8Kp59.94 DCI, 8Kp60 DCI

3D SDI Video Standards

720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p47.95,
1080p48, 1080p50, 1080p59.94,
1080p60, 1080p95.90, 1080p96,
1080p100, 1080p119.88, 1080p120
1080PsF23.98, 1080PsF24,
1080PsF25, 1080PsF29.97, 1080PsF30
1080i50, 1080i59.94, 1080i60
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
2KPsF23.98 DCI, 2KPsF24 DCI,
2KPsF25 DCI, 2KPsF29.97 DCI,
2KPsF30 DCI
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
2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94,
2160p60, 2160p95.90, 2160p96,
2160p100, 2160p119.88, 2160p120

SDI Compliance

SMPTE 259M, SMPTE 274M,
SMPTE 292M, SMPTE 296M
SMPTE 372M, SMPTE 424M,
SMPTE 425M level A and B,
SMPTE 2036-1, SMPTE 2048-1,
SMPTE 2081-10, SMPTE 2081-11,
SMPTE 2081-12, SMPTE 2082-10,
SMPTE 2082-11, SMPTE 2082-12
and SMPTE ST2108-1

SDI Metadata Support

RP 188/SMPTE 12M-2 and
closed captioning.

Audio Sampling

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

SDI Video Sampling

4:2:2, 4:4:4

SDI Color Precision

8, 10, 12-bit RGB 4:4:4 in all modes up
to 8Kp30 DCI, 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.

Multiple Rate Support

SDI video connections are switchable
between SD/HD/2K/4K and 8K.

HDMI 2.1 Video Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p47.95,
1080p48, 1080p50, 1080p59.94,
1080p60, 1080p95, 1080p96,
1080p100, 1080p119, 1080p120
1080i50, 1080i59.94, 1080i60

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94,
2160p60, 2160p95, 2160p96,
2160p100*, 2160p119*, 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 DCI,
4Kp96 DCI, 4Kp100 DCI*,
4Kp119 DCI*, 4Kp120 DCI*

8K Video Standards

4320p23.98, 4320p24, 4320p25,
4320p29.97, 4320p30, 4320p47.95,
4320p48, 4320p50*, 4320p59.94*,
4320p60*

8K DCI Video Standards

8Kp23.98 DCI, 8Kp24 DCI, 8Kp25 DCI,
8Kp29.97 DCI, 8Kp30 DCI,
8Kp47.95 DCI, 8Kp48 DCI,
8Kp50 DCI*, 8Kp59.94 DCI*,
8Kp60 DCI*

* Uncompressed only

HDMI Audio Sampling

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

HDMI Video Sampling

4:2:2, 4:4:4 and 4:2:0^{*}

HDMI Color Precision

8, 10 and 12-bit^{*}

^{*}supported video sampling and colour precision are dependent on connected HDMI device capabilities, video resolution and frame rate.

HDMI Color Space

REC 601, REC 709, REC 2020.

HDR Support

Dolby Vision (up to Ultra HD and 4K DCI 60p), HDR static metadata packing, HLG and PQ transfer characteristics.

HDMI Configuration

HDMI 2.1 supports Deep Color and HDR. Automatically configures to connected display.

Multiple Rate Support

HDMI video connections are switchable between SD/HD/UHD and 4K.

Copy Protection

HDMI input is unable to capture from copy protected HDMI sources. Always confirm copyright ownership before capture or distribution of content.

Processing

Colourspace Conversion

Hardware based real time on output.

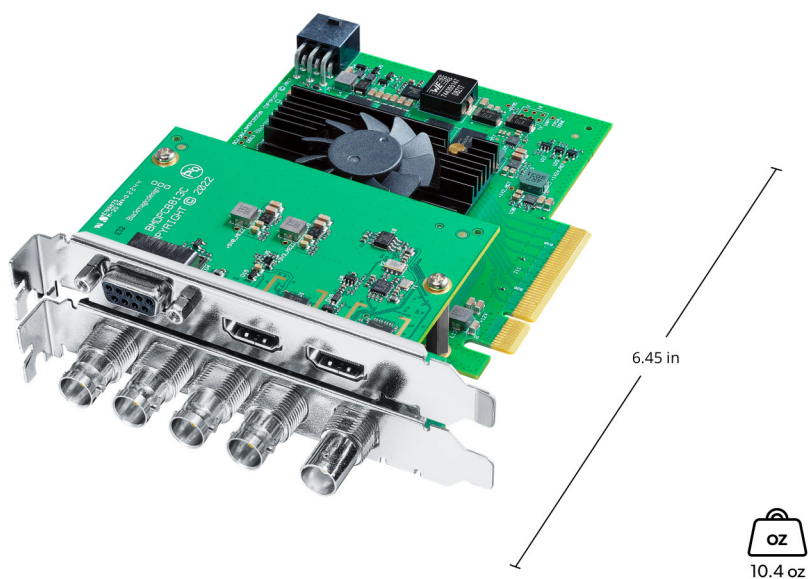
3D Processing

Left eye/right eye dual stream capture and playback (SDI only).

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 14.0 Sonoma,
Mac 15.0 Sequoia or later.



Windows 10, 64-bit.
Windows 11.



Linux

Power Requirements

Power Consumption

30 W

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 8K Pro G2
HDMI 2.1 mezzanine card
External power cable
Spacers and screws
Welcome wallet with QR code for software download

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller