

# DeckLink 8K Pro



DeckLink 8K Pro works in all SD, HD, Ultra HD, 4K and 8K frame sizes making it the ultimate digital cinema capture card! The four 12G-SDI connections are bi-directional for quad link 8K capture or playback. 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 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 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 12Gb/s SD/HD/2K/4K/8K. Supports single, dual link and quad link 4:2:2/4:4:4. 2D/3D switchable.

### SDI Video Outputs

4 x bi-directional 12Gb/s SD/HD/2K/4K/8K. Supports 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

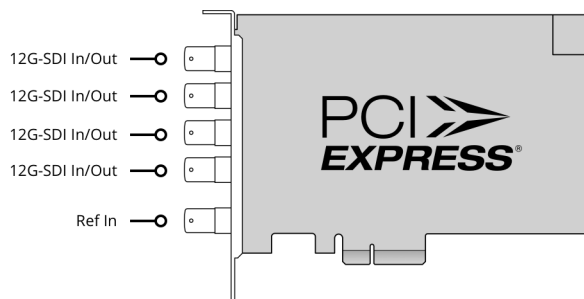
16 Channels embedded in SD/HD/2K.  
64 Channels embedded in 4K/8K.

### Sync Input

Tri-Sync or Black Burst.

### Computer Interface

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



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## 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.

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## 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. Please check the Support pages to see the full system requirements.

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## Software Applications



DaVinci Resolve



Fusion



Final Cut Pro X



Adobe Premiere Pro CC



Avid Media Composer



Adobe After Effects CC



Avid Pro Tools



Steinberg Cubase



Autodesk Smoke



Adobe Photoshop CC

**Other supported applications include:** The Foundry Nuke, Grass Valley Edius, Steinberg Nuendo, Sony Catalyst Production Suite, Tools On Air Just: Play & Live & In, Softron MovieRecorder & MReplay, Adobe Flash Media Live Encoder, Telestream Wirecast, Livestream Producer, Resolume Arena, Magix Vegas Pro & Movie Edit Pro Premium, Corel VideoStudio Pro, CyberLink PowerDirector, Vidblaster X & Studio & Broadcast, Uniplay One & CG, CasparCG Server, Magicsoft CG, Xsplit Broadcaster, Imagine Communications Velocity & InfoCaster, DevTek Easy Media Suite, Metus Ingest, Boinx Software MimoLive, Cinegy Capture Pro, vMix Live, Renewed Vision ProPresenter, Ventuz Director, Class X Liveboard & Coral CG, Glookast Capturer, Open Broadcaster Software Studio, Nautilus NEMO3D, Derivative TouchDesigner, Assimilate Scratch, Burst Video WebClip2Go & [REC]Marker, Autodesk Flame, Zoom.

*8K playback and capture is application dependent, check with your software vendor.*

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## 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, 1080p95.90, 1080p96,  
1080p100, 1080p119.88, 1080p120  
1080PsF23.98, 1080PsF24,  
1080PsF25, 1080PsF29.97, 1080PsF30  
1080i50, 1080i59.94, 1080i60

### 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

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### 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, 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.

### Multiple Rate Support

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

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## Processing

### Colorspace Conversion

Hardware based real time on output.

### 3D Processing

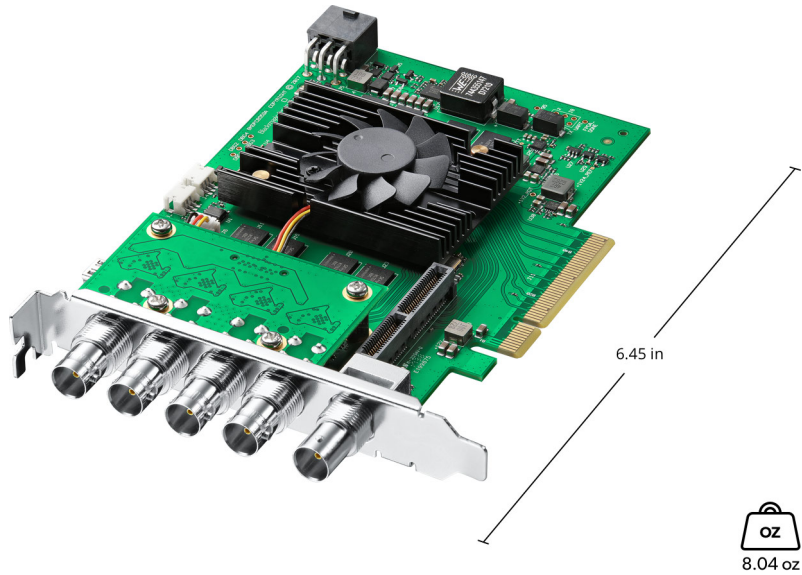
Left eye/right eye dual stream  
capture and playback.

### Real Time Effects

DaVinci Resolve, Final Cut Pro X  
internal effects. Adobe Premiere Pro  
CC Mercury Playback Engine effects.  
Avid Media Composer  
internal effects.

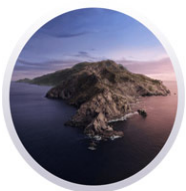
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## Physical Specifications



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## Operating Systems



Mac 10.14 Mojave,  
Mac 10.15 Catalina or later.



Windows 8.1 and 10, both 64-bit.



Linux

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## Power Requirements

### Power Consumption

19 Watt

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## 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

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## What's Included

DeckLink 8K Pro

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## Warranty

3 Year Limited Manufacturer's Warranty.

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