DeckLink 8K Pro

The ultimate digital cinema capture card! DeckLink 8K Pro features four bi-directional 12G-SDI connections and works in all SD, HD, Ultra HD, 4K and 8K DCI frame sizes. You get support for 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.

$645
Supported Codecs


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.
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


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

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, 1080p59.90, 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

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, 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.

Processing

Colorsace 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.
Physical Specifications

Operating Systems

Mac 10.13 High Sierra, Mac 10.14 Mojave or later.
Windows 7, 8.1 and 10, all 64-bit.
Linux

Power Requirements

Power Consumption
19 Watt

EMC Certifications

FCC, CE, RCM and KC

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
SD card with software and manual

Warranty

3 Year Limited Manufacturer's Warranty.

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Blackmagic Design Authorized Reseller