Blackmagicdesign

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!

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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.
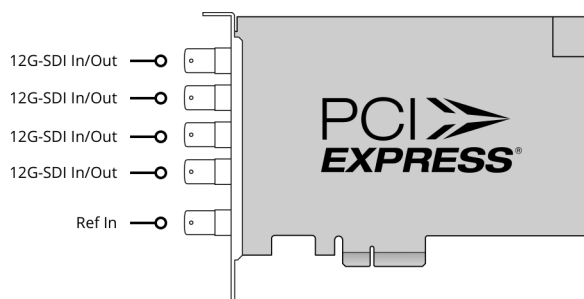
SDI Audio Outputs

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.

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. 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

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.

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
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

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.

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.

Processing

Colorspace Conversion

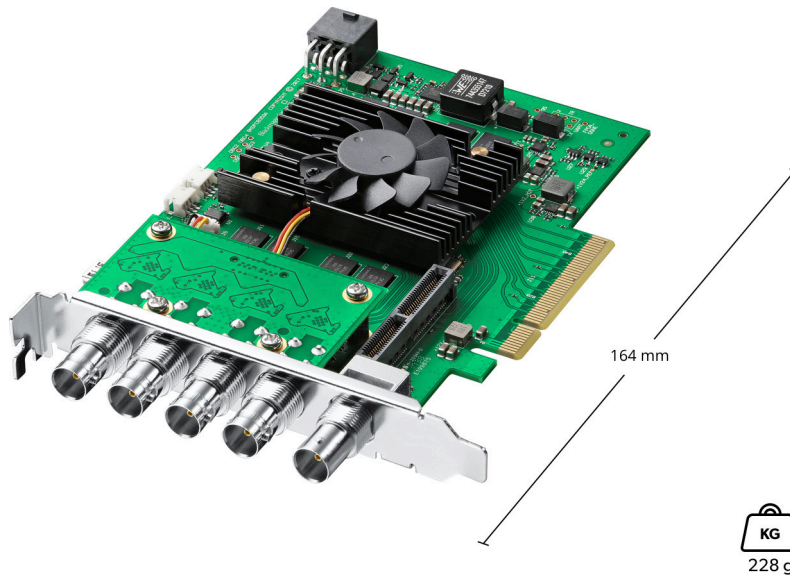Hardware based real time on output.

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.

Physical Specifications

164 mm

KG
228 g

Operating Systems

Mac 11.1 Big Sur,
Mac 12.0 Monterey or later.

Windows 10, 64-bit.
Windows 11.

Linux

Power Requirements

Power Consumption
19 Watt

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

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller