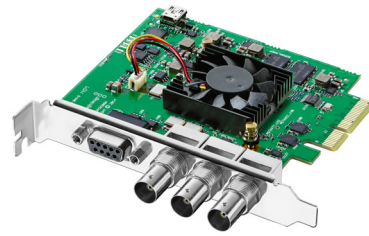


# DeckLink SDI 4K



DeckLink SDI 4K is perfect when you need an SDI only solution but demand the highest quality SDI capture and playback. You get incredible quality 6G-SDI on any PCI Express Mac, Windows or Linux computer. DeckLink SDI 4K is the world's smallest and most affordable multi rate SD/HD and Ultra HD SDI video card that lets you connect to any SD, HD-SDI, 2K and Ultra HD equipment. You also get RS-422 deck control, internal keying and reference input for a complete solution for editing, paint, design and more.

**\$295**

## Connections

### SDI Video Inputs

1 x 10-bit SD/HD/2K/4K. Supports 6 Gb/s 4:2:2 and 3 Gb/s 4:4:4

### SDI Video Outputs

1 x 10-bit SD/HD/2K/4K. Supports 6 Gb/s 4:2:2 and 3 Gb/s 4:4:4

### SDI Audio Inputs

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

### SDI Audio Outputs

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

### Sync Input

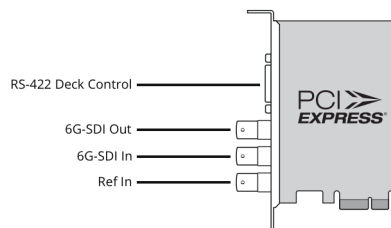
Tri-Sync or Black Burst.

### Device Control

Sony™ compatible RS422 deck control ports. Serial ports TxRx direction reversible under software control.

### Computer Interface

PCI Express 4 lane generation 2, compatible with 4, 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 & 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

Media Express, Disk Speed Test, LiveKey, Blackmagic Desktop Video Utility and Blackmagic driver on Mac OS and Windows. 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 4 lane generation 2, compatible with 4, 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.

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## Standards

### SD Video Standards

525i/29.97 NTSC, 625i/25 PAL

### HD Video Standards

720p50, 720p59.94, 720p60  
1080p23.98, 1080p24, 1080p25, 1080p30,  
1080p50, 1080p59.94, 1080p60  
1080PsF23.98, 1080PsF24, 1080PsF25,  
1080PsF29.97, 1080PsF30  
1080i50, 1080i59.94, 1080i60

### 2K Video Standards

2K 23.98p, 2K 24p, 2K 25p

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,  
2160p29.97, 2160p30

### 4K Format Video Standards

4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p

### SDI Compliance

SMPTE 259M, SMPTE 292M,  
SMPTE 296M SMPTE 372M,  
SMPTE 425M ITU-R BT.656 and  
ITU-R BT.601.

### SDI Metadata Support

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

### Audio Sampling

Television standard sample rate of 48  
kHz at 24 bit.

### Video Sampling

4:2:2 and 4:4:4\*

### Color Precision

10-bit

### Color Space

REC 601, REC 709

### Multiple Rate support

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

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## Processing

### HD Down Conversion

Built in, high quality hardware down converter outputs HD or SD on SDI output. Selectable between letterbox, anamorphic 16:9 and center cut 4:3 styles.

### HD Up Conversion

Software based up conversion from SD to 720HD or 1080HD on capture. Selectable between 4:3 pillarbox, 14:9 pillarbox and 16:9 zoom.

### Real Time Effects

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

### Cross Conversion

Software based cross conversion from 720HD to 1080HD and 1080HD to 720HD on playback.

### Colorspace Conversion

Hardware based real time.

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## Operating Systems



Mac OS X 10.11 El Capitan, macOS Sierra or later.



Windows 7, 8.1 and 10, all 64-bit.



Linux

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## Power Requirements

11 Watts

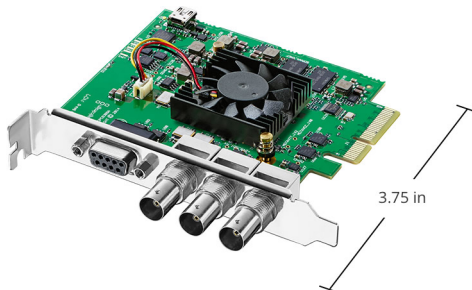
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## EMC Certifications

FCC, CE and C-Tick

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## Physical Specifications



  
4.5 oz

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## Environmental Specifications

### Operating Temperature

5° to 40° C (32° to 104° F)

### Storage Temperature

-20° to 45° C (-4° to 113° F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

DeckLink SDI 4K  
SD card with software and manual

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## Warranty

3 Year Limited Manufacturer's Warranty.

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