

# 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 Input

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

### SDI Video Output

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

### SDI Audio Input

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

### SDI Audio Output

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

### Sync Input

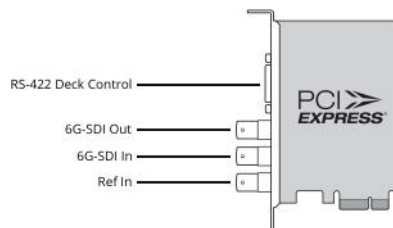
Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD, 2K or UHD format.

### Device Control

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

### Computer Interface

PCI Express 4 lane generation 1, compatible with 4,8 and 16 lane PCIe Slots.



## Codecs

Supports: AVC-Intra, AVCHD, Canon XF MPEG2, Digital SLR, DV-NTSC, DV-PAL, DVCPRO50, DVCPROHD, DPX, HDV, XDCAM EX, XDCAM HD, XDCAM HD422, 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 X 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 1, compatible with 4, 8, 16 lane PCI Express slots on Mac OS X, 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



Premiere Pro CC



Avid Media Composer



After Effects CC



Avid Pro Tools



Steinberg Cubase



Autodesk Smoke



Photoshop CC

**Other supported applications include:** Nuke, Steinberg Nuendo, Avid Symphony, Avid News Cutter, Tools On Air just:in & live:cut & just:play & just:live, Softron OnTheAir, MovieRecorder and OnTheAir CG, Flash Media Live Encoder, Wirecast, Livestream Procaster, Resolume Avenue 4, Sony Vegas Pro, Corel VideoStudio Pro X4, CyberLink Power Director, MAGIX Video Pro X4, Vidblaster Pro & Studio & Broadcast, Uniplay, Playbox AirBox, CasparCG, Magicsoft CG, Xsplit Broadcaster, Imagine Communications Velocity & InfoCaster.

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## Video Standards

### SD Format Support

525i29.97 NTSC, 625i25 PAL

### HD Format Support

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 Format Support

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

### Ultra HD Format Support

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

### 4K Format Support

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

VITC read for 3:2 pulldown removal.  
VANC capture and playback using up  
to 3 lines of video in file. HD RP188.  
Closed captioning.

### Audio Sampling

Television standard sample rate of  
48 kHz at 24 bit.

### Video Sampling

4:2:2 and 4:4:4 (4K is 4:2:2)

### Color Precision

10-bit

### Color Space

REC 601, REC 709

### Multiple Rate support

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

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## Processing

### Colorspace Conversion

Hardware based real time.

### 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.

### Cross Conversion

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

### Real Time Effects

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

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## Operating Systems



Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later.



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



Linux

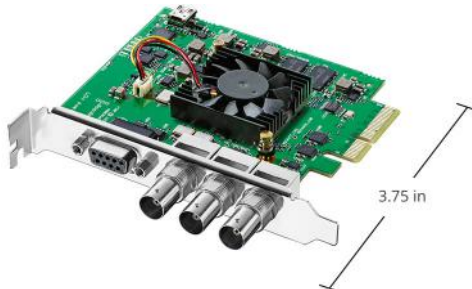
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## EMC Certifications

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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