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

SDI Video Outputs

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


Software

**Software Included**
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 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.
**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


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

**2K Video Standards (SDI Only)**
2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p

**Ultra HD Video Standards**
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30

**4K Video Standards**
4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p

**SDI Compliance**

**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*
*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.
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.

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

**Real Time Effects**
DaVinci Resolve, Final Cut Pro X internal effects. Premiere Pro CC Mercury Playback Engine effects. Avid Media Composer internal effects.

**Colorsace Conversion**
Hardware based real time.

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**Operating Systems**

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

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**Power Requirements**

**Power Consumption**
11 Watts

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**EMC Certifications**

FCC, CE and C-Tick.
Physical Specifications

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
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<tbody>
<tr>
<td>5° to 40° C (32° to 104° F)</td>
<td>-20° to 45° C (-4° to 113° F)</td>
<td>0% to 90% non-condensing</td>
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What's Included

DeckLink SDI 4K
SD card with software and manual

Warranty

3 Year Limited Manufacturer's Warranty.
Blackmagic Design Authorized Reseller