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.

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.

DeckLink SDI 4K - Technical Specifications
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


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.

Colorspace Conversion
Hardware based real time.

Operating Systems

Mac 10.14 Mojave, Mac 10.15 Catalina or later.

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

Linux

Power Requirements

Power Consumption
11 Watts

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.