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

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,

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 10.13 High Sierra, Mac 10.14 Mojave 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>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>

What's Included

DeckLink SDI 4K
SD card with software and manual

Warranty

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