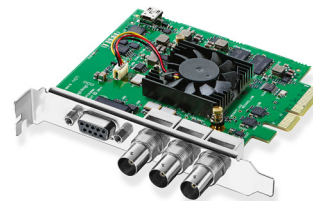


DeckLink SDI 4K



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

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

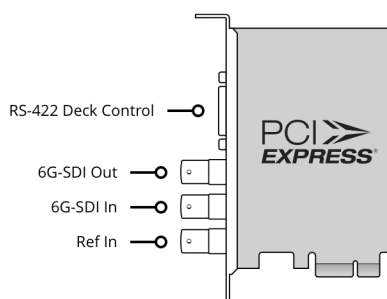
Tri-Sync or Black Burst.

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.

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

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, Burst Video WebClip2Go & [REC]Marker, Autodesk Flame, Zoom.

These are third party applications and support may vary, check with your software vendor.

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

SMPTE 259M, SMPTE 292M, SMPTE
296M SMPTE 372M, SMPTE 425M,
SMPTE 2081, 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*
*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 11.1 Big Sur,
Mac 12.0 Monterey or later.



Windows 10, 64-bit.
Windows 11.



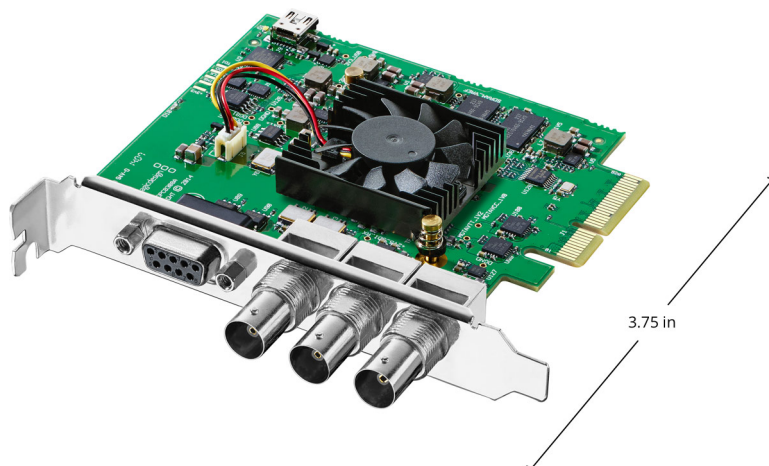
Linux

Power Requirements

Power Consumption

11 Watts

Physical Specifications



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

What's Included

DeckLink SDI 4K

Warranty

3 Year Limited Manufacturer's Warranty.

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