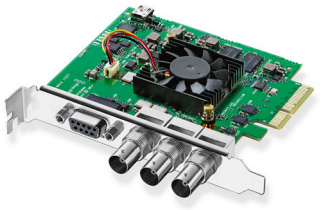
DeckLink SDI 4K



$329

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

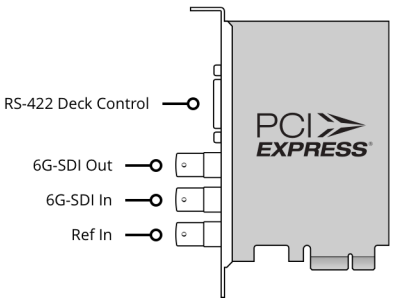
SDI Video Inputs
1 x 10-bit SD/HD/2K/4K. Supports 6 Gb/s 4:2:2 and 3 Gb/s 4:4:4.

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, 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
Built in, high quality software up converter from SD to HD on input. Selectable between 16:9 Zoom or anamorphic.

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 15.0 Sequoia,
Mac 26.0 Tahoe or later.

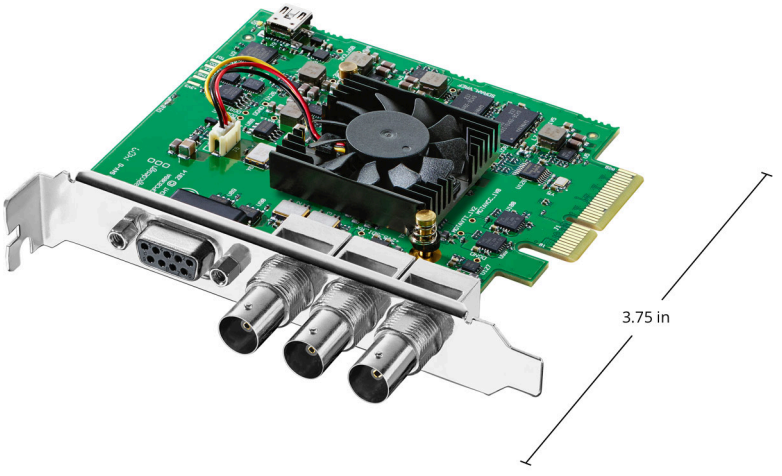
Windows 10, 64-bit.
Windows 11.

Linux

Power Requirements

Power Consumption
11 W

Physical Specifications





4.5 oz

Environmental Specifications

Operating Temperature	Storage Temperature	Relative Humidity
5° to 40° C (32° to 104° F)	-20° to 45° C (-4° to 113° F)	0% to 90% non-condensing

What's Included

DeckLink SDI 4K

Warranty

3 Year Limited Manufacturer’s Warranty.

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