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TECHNOLOGY GROUP

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The Wayback Machine - https://web.archive.org/web/20150125042018/https://www.blackmagicdesign.com/ae/products/decklink/techspecs



DeckLink Quad

DeckLink Quad

Technical Specifications

Find Reseller

Description

DeckLink Quad is four independent SDI capture and playback cards in one! Includes four SDI inputs and four SDI outputs that can be independently switched between SD and HD video formats, as well as a common black burst/tri-sync input for all four channels. DeckLink Quad appears as four independent SDI cards to the computer, but only uses a single PCI Express slot. DeckLink Quad includes a built in watchdog timer under API control with bypass relays for a robust broadcast solution that automatically switches to bypass if power is lost, or software crashes. That's perfect for broadcast servers! Each SDI input and output can be a different video standard as they are all completely independent.

Connections

SDI Video Input
4 x 10-bit SD/HD independently switchable.

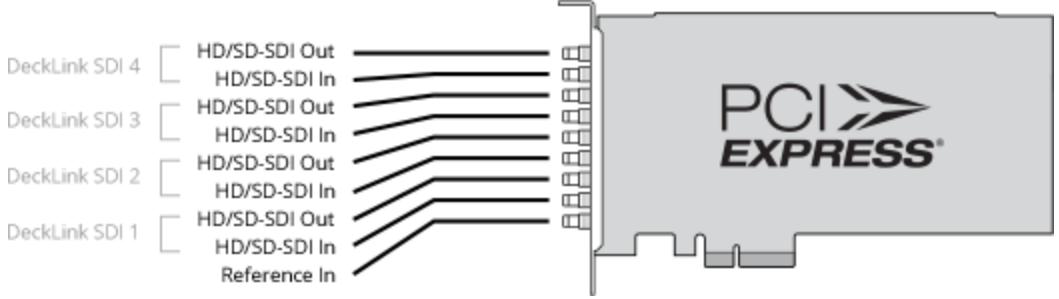
SDI Video Output
4 x 10 bit SD/HD independently switchable.

SDI Audio Input
8 Channels per input, embedded in SD and HD.

SDI Audio Output
8 Channels per output, embedded in SD and HD.

Sync Input
Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD format.

Computer Interface
PCI Express 4 lane, compatible with 4, 8 and 16 lane PCIe slots.



Codecs

Supports: AVC-Intra, AVCHD, Canon XF MPEG2, Digital SLR, DV-NTSC, DV-PAL, DVCPRO50, DVCPROHD, DPX, HDV, XDCAM EX, XDCAM HD, XDCAM HD422, 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 System Preferences and Blackmagic driver on Mac OS X. Media Express, Disk Speed Test, LiveKey, Blackmagic Control Panel and Blackmagic driver on Windows 8. Media Express, Blackmagic Control Panel 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, compatible with 4, 8 and 16 lane PCI Express slots on Mac OS X, Windows 8 and Linux. Mac OS X systems require a Mac Pro computer with PCI Express slots. Please check the Support pages to see the full system requirements.

Software Applications

DaVinci Resolve
Fusion
Final Cut Pro X
Premiere Pro CC
Avid Media Composer
After Effects CC
Avid Pro Tools
Steinberg Cubase
Steinberg Nuendo
Photoshop CC

Other supported applications include: Nuke, Avid Symphony, Avid News Cutter, Tools On Air just:in & live:cut & just:play & just:live, Softron OnTheAir, MovieRecorder and OnTheAir CG, Flash Media Encoder, Wirecast, Livestream Procaster, Resolume Avenue 4, Sony Vegas Pro, Corel VideoStudio Pro X4, CyberLink Power Director, MAGIX Video Pro X4, Vidblaster Pro & Studio & Broadcast, Uniplay, Playbox AirBox, CasparCG, Magicsoft CG, Xsplit Broadcaster, Imagine Communications Velocity & InfoCaster.

Video Standards

SD Format Support
625/25 PAL, 525/29.97 NTSC.

HD Format Support
720p50, 720p59.94, 720p60, 1080PsF23.98, 1080p23.98, 1080PsF24, 1080p24, 1080PsF25, 1080p25, 1080PsF29.97, 1080p29.97, 1080PsF30, 1080p30, 1080i50, 1080i59.94 and 1080i60.

SDI Compliance
SMPTE 259M, SMPTE 292M, SMPTE 296M.

SDI Metadata Support
VITC read for 3:2 pulldown removal. VANC capture and playback using up to 3 lines of video in file. HD RP188 and closed captioning.

Audio Sampling
Television standard sample rate of 48 kHz and 24 bit.

Video Sampling
4:2:2

Color Precision
10-bit

Color Space
REC 601, REC 709

Multiple Rate support
SDI switches between 270 Mb/s standard definition SDI and 1.5 Gb/s HD-SDI.

Processing

Colorspace Conversion
Hardware based real time.

HD Down Conversion
HD to SD on video capture or video playback.

HD Up Conversion
SD to 720HD or 1080HD on video capture.

Cross Conversion
720HD to 1080HD on video capture.

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

Operating Systems



Mac OS X 10.9 Mavericks, Mac OS X 10.10 Yosemite or later.

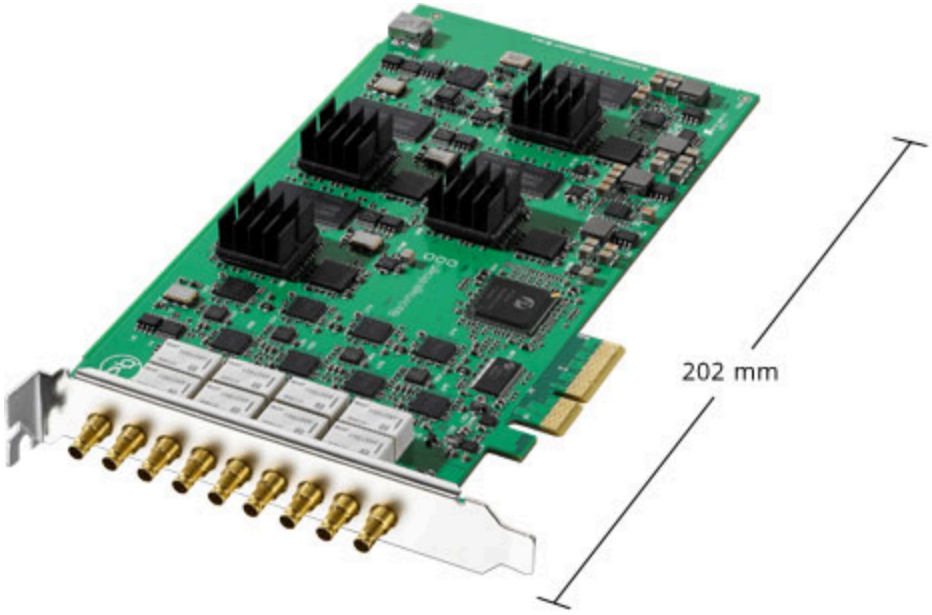


Windows 7 or Windows 8.



Linux

Physical Specifications



KG
176 g

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 Quad
Software CD

Warranty

3 Year Limited Manufacturer's Warranty.

Next

DeckLink

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