

DeckLink Quad 2



\$995

DeckLink Quad 2 features 8 independent SDI capture and playback channels in a single card! Fully compatible with the previous 4 channel model, this new model also allows 4 independent capture and playback channels but now also includes 4 extra channels that developers can use for configuring the card in any combination of up to 8 capture or 8 playback channels. This means DeckLink Quad 2 allows each of the 8 3G-SDI BNC connectors to switch direction between capture or playback in SD and HD up to 1080p60 and as a complete independent channel.

Connections

SDI Video Input

8 x bidirectional 12-bit SD/HD independently configurable as either Input or Output

SDI Audio Input

16 channels 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.

SDI Video Output

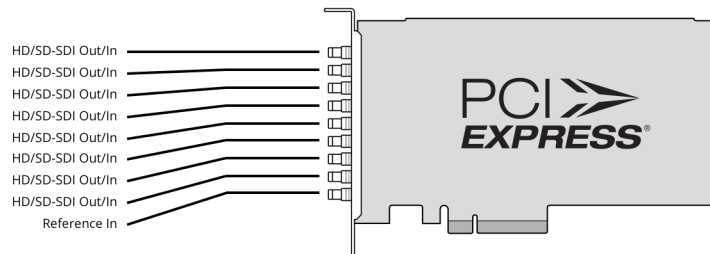
8 x bidirectional 12-bit SD/HD independently configurable as either Output or Input

SDI Audio Output

16 channels embedded in SD and HD

Computer Interface

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



Codecs

Supports: AVC-Intra, AVCHD, Canon XF MPEG2, Digital SLR, DV-NTSC, DV-PAL, DVCPRO50, DVCPROHD, DPX, HDV, HEVC, 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, 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 X. Media Express, Disk Speed Test, LiveKey, Blackmagic Desktop Video Utility and Blackmagic driver on Windows 8 and Windows 10. 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 8 lane, compatible with 8 and 16 lane PCI Express slots on Mac OS X, Windows 8, Windows 10 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, Steinberg Nuendo, Avid Symphony, Avid News Cutter, Tools On Air just:in & live:cut & just:play & just:live, Softron OnTheAir, MovieRecorder and OnTheAir CG, Flash Media Live Encoder, 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

525i29.97 NTSC, 625i25 PAL

HD Format Support

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

SDI Compliance

SMPTE 259M, SMPTE 292M,
SMPTE 296M, SMPTE 372M,
SMPTE 425M A/B

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, 4:4:4

Color Precision

8, 10-bit YUV 4:2:2 and 8, 10, 12-bit
RGB 4:4:4

Color Space

REC 601, REC 709

Processing

Colorspace Conversion

Hardware based real time

HD Down Conversion

Built in, high quality hardware down converter from HD to SD on output. Down converted SD selectable between letterbox, anamorphic 16:9 and center cut 4:3 styles.

HD Up Conversion

Built in, high quality hardware up conversion from SD to 720HD or 1080HD on playback. Selectable between 4:3 pillarbox, 14:9 zoom and 16:9 zoom

Cross Conversion

Built-in, high quality hardware cross conversion from 720HD to 1080HD, 1080HD to 720HD on playback

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, Mac OS X 10.11 El Capitan or later.



Windows 8.1 or Windows 10.



Linux

EMC Certifications

FCC, CE and C-Tick

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 Quad 2
SD card with software and manual

Warranty

3 Year Limited Manufacturer's Warranty

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