DeckLink Quad 2

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.

$995

Connections

SDI Video Inputs
8 x bi-directional 12-bit SD/HD independently configurable as either Input or Output.

SDI Video Outputs
8 x bi-directional 12-bit SD/HD independently configurable as either Output or Input.

SDI Audio Inputs
16 channels embedded in SD and HD.

SDI Audio Outputs
16 channels embedded in SD and HD.

Sync Input
Tri-Sync or Black Burst.

Computer Interface
PCI Express 8 lane generation 2, compatible with 8 and 16 lane PCI Express slots.
Supported Codecs


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 8 lane generation 2, compatible with 8 and 16 lane PCI Express slots on Mac OS, Windows and Linux. Mac OS 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
- Adobe Premiere Pro CC
- Avid Media Composer
- Adobe After Effects CC
- Avid Pro Tools
- Steinberg Cubase
- Steinberg Nuendo
- Adobe Photoshop CC

Video Standards

SD Video Standards
525i59.94 NTSC, 625i50 PAL

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

SDI Compliance
SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 425M,
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 and 24 bit.

SDI Color Precision
8, 10, 12-bit RGB 4:4:4 in all modes up to 1080p30 and 8, 10-bit YUV 4:2:2 in all modes. 12-bit RGB 4:4:4 only supported in playback.

SDI Video Sampling
8, 10, 12-bit RGB 4:4:4 in all modes up to 1080p30 and 8, 10-bit YUV 4:2:2 in all modes. 12-bit RGB 4:4:4 only supported in playback.

SDI Video Standards
8, 10, 12-bit RGB 4:4:4 in all modes up to 1080p30 and 8, 10-bit YUV 4:2:2 in all modes. 12-bit RGB 4:4:4 only supported in playback.

Color Space
REC 601, REC 709.

Processing

Colorscape Conversion
Hardware based real time.

HD Down Conversion
Built in, high quality software down converter on playback and capture. Down converted SD selectable between letterbox and anamorphic 16:9 styles.

HD Up Conversion
Built in, high quality software up conversion from SD to 720HD or 1080HD on capture. 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 on playback, 1080HD to 720HD on playback.

Real Time Effects
DaVinci Resolve, Final Cut Pro X internal effects. Adobe Premiere Pro CC Mercury Playback Engine effects. Avid Media Composer internal effects.
Physical Specifications

Operating Systems

Mac 10.11 El Capitan,
Mac 10.12 Sierra,
Mac 10.13 High Sierra or later.

Windows 7, 8.1 and 10, all 64-bit.

Linux

Power Requirements

Power Consumption
22 Watts

EMC Certifications

FCC, CE and C-Tick.

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>
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What's Included

DeckLink Quad 2
SD card with software and manual

Warranty

3 Year Limited Manufacturer's Warranty.