

DeckLink Mini Recorder 4K



DeckLink Mini Recorder 4K is a low profile PCIe capture card, featuring 6G-SDI and the latest HDMI 2.0a connections so you can record all formats up to 2160p30 on your computer! The SDI and HDMI inputs automatically detect and switch between all video formats. You even get high dynamic range recording and metadata over HDMI, along with support for Rec. 2020 color space. The DeckLink Mini Recorder 4K is perfect for integrating into mobile live capture environments, broadcast trucks and more! You can even develop your own custom capture solutions using the Blackmagic Desktop Video SDK for Mac OS X, Windows and Linux! Includes two PCIe shields for both full height and low profile slots.

Connections

SDI Video Input

1 x 10-bit SD/HD/Ultra HD switchable

SDI Audio Input

16 channels embedded in SD, HD, Ultra HD.

HDMI Video Input

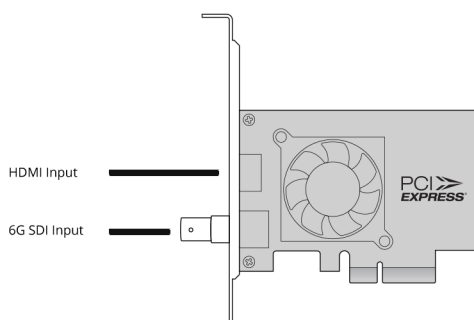
1 x HDMI 2.0a connector.

HDMI Audio Input

8 Channels embedded in SD, HD, Ultra HD.

Computer Interface

Gen 2 PCIe 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 and Windows.

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 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



Premiere Pro CC



Avid Media Composer



After Effects CC



Avid Pro Tools



Steinberg Cubase



Steinberg Nuendo



Photoshop CC



Media Express

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 Live 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

525i59.94 NTSC, 625i50 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, 1080PsF30
1080i50, 1080i59.94, 1080i60

Ultra HD Format Support

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30

4K DCI Format Support

4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p

SDI Compliance

SMPTE 259M and 292M.

SDI Metadata Support

VITC read for 3:2 pulldown removal.
VANC capture 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, REC 2020

HDMI Configuration

HDMI automatically configures to
connected display.

HDMI Resolution

Pixel for pixel HD resolution input to
connected device.

HDMI Color Precision

10-bit

Multiple Rate support

SDI and HDMI are switchable between
standard definition and high
definition.

Copy Protection

HDMI input is unable to capture from
copy protected HDMI sources. Always
confirm copyright ownership before
capture or distribution of content.

Processing

Colorspace Conversion

Hardware based real time.

HD Up Conversion

Software based up conversion during video capture.

Operating Systems



Mac OS X 10.10 Yosemite,
Mac OS X 10.11 El Capitan
or later.



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

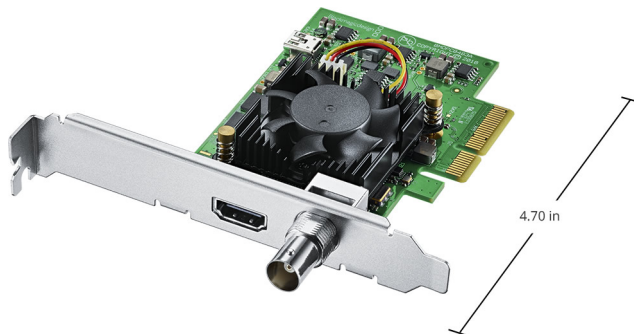


Linux

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 Mini Recorder 4K

Low profile slot bracket

SD card with software and manual

Warranty

3 Year Limited Manufacturer's Warranty.

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