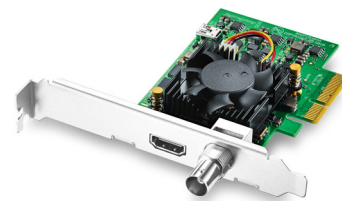**Blackmagic**design

DeckLink Mini Monitor
4K

DeckLink Mini Monitor 4K is a low profile PCI Express playback card, featuring 6G-SDI and the latest HDMI 2.0a connections so you can monitor all formats up to 2160p30 from your computer! The SDI and HDMI outputs let you connect to any television or monitor and automatically detect and switch between all video formats. You even get high dynamic range playback and metadata over HDMI. You can even develop your own custom playback solutions using the Blackmagic Desktop Video SDK for Mac OS, Windows and Linux! Includes two PCI Express shields for both full height and low profile slots.

Connections

SDI Video Outputs
1 x 10 bit SD/HD/Ultra HD switchable.

SDI Audio Outputs
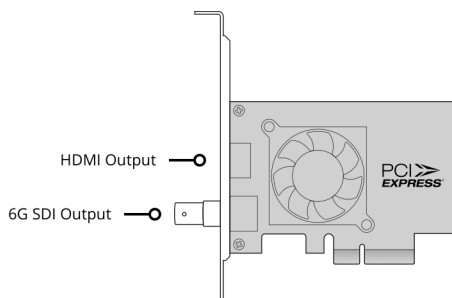16 channels embedded in SD, HD, Ultra HD.

HDMI Video Outputs
1 x HDMI 2.0a connector.

HDMI Audio Outputs
8 Channels embedded in SD, HD, Ultra HD.

Computer Interface
PCI Express 4 lane generation 2, compatible with 4, 8 and 16 lane PCI Express slots.

HDMI Output

6G SDI Output

PCI EXPRESS

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.

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 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

Adobe Premiere Pro CC

Avid Media Composer

Adobe Photoshop CC

Other supported applications include: The Foundry Nuke, Grass Valley Edius, Sony Catalyst Production Suite, Tools On Air Just: Play & Live & In, Softron MovieRecorder & MReplay, Adobe Flash Media Live Encoder, Telestream Wirecast, Livestream Producer, 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.

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

Ultra HD Video Standards

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

4K DCI Video Standards

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

2K Video Standards (SDI Only)

2K DCI 23.98p, 2K DCI 24p, 2K DCI
25p
2K DCI 23.98PsF, 2K DCI 24PsF, 2K
DCI F25PsF

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 and 24 bit.

SDI Color Precision

8, 10, 12-bit RGB 4:4:4 in all modes up
to 1080p60, and 8, 10-bit YUV 4:2:2 in
all modes.

SDI Video Sampling

4:4:4 & 4:2:2

Color Space

REC 601, REC 709, REC 2020.

HDMI Video Sampling

4:4:4, 4:2:2 & 4:2:0

HDMI Configuration

HDMI 2.0a supports Deep Color and
HDR. Automatically configures to
connected display.

HDMI Resolution

Pixel for pixel HD resolution output to
connected device.

HDMI Color Precision

Up to 12-bit (Deep Color)

Multiple Rate Support

HDMI and SDI video connections are
switchable between SD/HD/2K and
4K.

Processing

HD to SD Down Conversion

Software based down conversion
during video playback.

HD Cross Conversion

Software based cross conversion
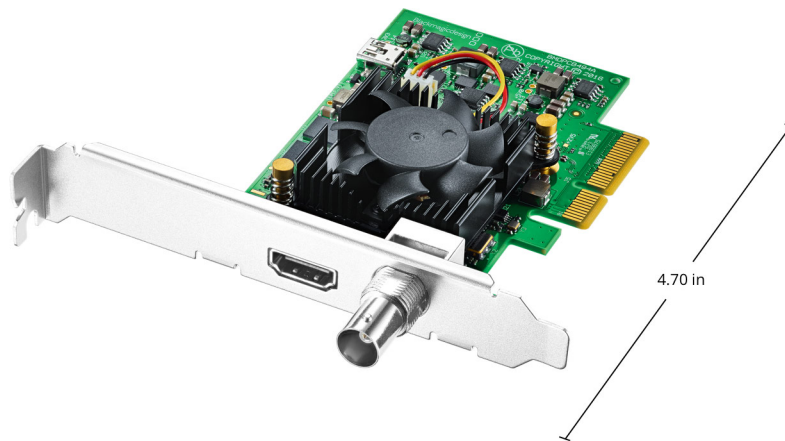from 720p to 1080HD on playback.

Colorspace Conversion

Hardware based real time.

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

4.70 in

3.17 oz

Operating Systems

Mac 10.14 Mojave,
Mac 10.15 Catalina or later.

Windows 8.1 and 10, both 64-bit.

Linux

Power Requirements

Power Consumption
10 Watts

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 Mini Monitor 4K
Low profile slot bracket

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller