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.

$229

Connections

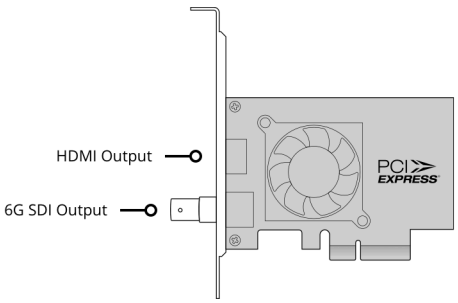
SDI Video Outputs
1 x 10 bit SD/HD/Ultra HD switchable.

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.



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


Fusion


Final Cut Pro


Adobe Premiere Pro CC


Avid Media Composer


Adobe After Effects CC


Avid Pro Tools


Steinberg Cubase


Steinberg Nuendo


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, 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.
These are third party applications and support may vary, check with your software vendor.

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.

SDI HDR Support
HDR static metadata packing, HLG and PQ transfer characteristics.

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)

HDMI HDR Support
HDR static metadata packing, HLG and PQ transfer characteristics.

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



Operating Systems

Mac 15.0 Sequoia,
Mac 26.0 Tahoe or later.

Windows 10, 64-bit.
Windows 11.

Linux

Power Requirements

Power Consumption
10 W

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 Monitor 4K
Low profile slot bracket

Warranty

3 Year Limited Manufacturer's Warranty.

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