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.

HDMI Video Outputs
1 x HDMI 2.0a connector.

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

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


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


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*
*SDI Only

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.

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

Operating Systems

Mac 10.13 High Sierra, Mac 10.14 Mojave or later.
Windows 7, 8.1 and 10, all 64-bit.
Linux

Power Requirements

Power Consumption
10 Watts

EMC Certifications

FCC, CE and C-Tick.

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
SD card with software and manual

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller