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.

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
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,
1080p29.7, 1080p30, 1080p50,
1080p59.94, 1080p60
1080PsF23.98, 1080PsF24, 1080PsF25,
1080PsF29.7, 1080PsF30
1080i50, 1080i59.94, 1080i60

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25,
2160p29.7, 2160p30

SDI Compliance
SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 425M,

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.

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)
### 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

### Multiple Rate Support
HDMI and SDI video connections are switchable between SD/HD/2K and 4K.

### SDI Video Sampling
- 4:4:4 & 4:2:2

### 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

![DeckLink Mini Monitor 4K](image)

- Operating Systems
  - Mac OS X 10.11 El Capitan, macOS 10.12 Sierra, macOS 10.13 High Sierra 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

<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>
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What's Included
DeckLink Mini Monitor 4K
Low profile slot bracket
SD card with software and manual

Warranty
3 Year Limited Manufacturer's Warranty.

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