DeckLink Mini Recorder 4K is a low profile PCI Express 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. 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, Windows and Linux! Includes two PCI Express shields for both full height and low profile slots.

**Connections**

**SDI Video Inputs**
1 x 10-bit SD/HD/Ultra HD switchable.

**SDI Audio Inputs**
16 channels embedded in SD, HD, Ultra HD.

**HDMI Video Inputs**
1 x HDMI 2.0a connector.

**HDMI Audio Inputs**
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

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

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 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 Video Sampling
4:4:4 & 4:2:2

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, REC 2020.

HDMI Video Sampling
4:4:4, 4:2:2 & 4:2:0

HDMI Configuration
HDMI 2.0a supports Deep Color and HDR.

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.

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

Processing

Colorscepace Conversion
Hardware based real time.

HD to SD Down Conversion
Software based down conversion during video capture.

HD Up Conversion
Software based up conversion from SD to HD on capture. Selectable between 4:3 pillarbox or 16:9 anamorphic.

Physical Specifications
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**
8 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 Recorder 4K
- Low profile slot bracket

Warranty

3 Year Limited Manufacturer's Warranty.