

# Blackmagic Video Assist 4K



Now it's easy to add professional monitoring and broadcast quality recording to any SDI or HDMI camera! With a bright 7 inch monitor that's larger than the built in screen on most cameras, Video Assist 4K makes it easier to frame your shots and get absolutely perfect focus! The dual built in high speed UHS-II recorders use commonly available SD cards to record HD and Ultra HD video as professional 10-bit 4:2:2 ProRes or DNxHD files. Unlike DSLRs, which record heavily compressed files that are hard to use with video software, Video Assist records professional, 10 bit broadcast quality files such as ProRes and DNxHR that are compatible with all leading video software so you can start editing immediately, without time wasting file conversions!

## Connections

### SDI Video Inputs

1

### SDI Video Outputs

1

### SDI Rates

270Mb, 1.5G, 3G, 6G.

### HDMI Video Inputs

1

### HDMI Video Outputs

1

### Analog Audio Inputs

2 x balanced mini XLR with phantom power

### Analog Audio Outputs

1 x 3.5 mm headphone jack.

### Built in Speaker

Mono

### Screen Dimensions

7 inch 1920 x 1200.

### SDI Audio Inputs

2 channels embedded via 6G-SDI

### SDI Audio Outputs

2 channels embedded via 6G-SDI

### HDMI Audio Inputs

2 channels embedded via HDMI 2.0a

### HDMI Audio Outputs

2 channels embedded via HDMI 2.0a

### Remote Control

1 x 2.5mm LANC for Record Start and Stop.

### SD Interface

Dual UHS-II SD slots

### Storage Type

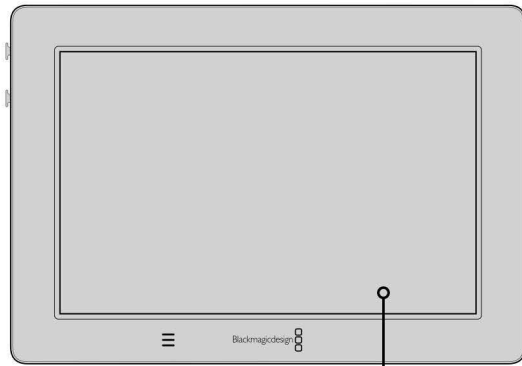
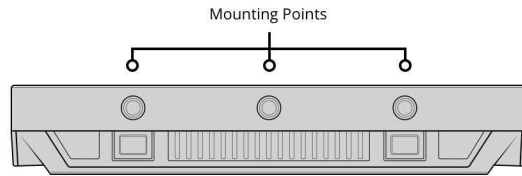
Removable SDXC UHS-II, SDXC UHS-I and SDHC UHS-I SD cards. Supports DS, HS, SDR12, SDR25, DDR50, SDR50 and SDR104 SD cards.

### Recorder Configuration

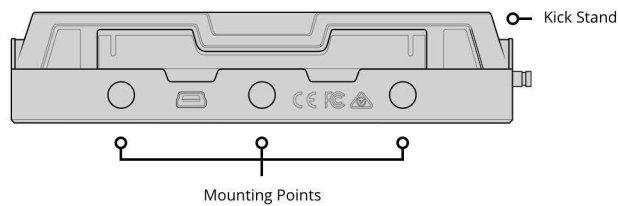
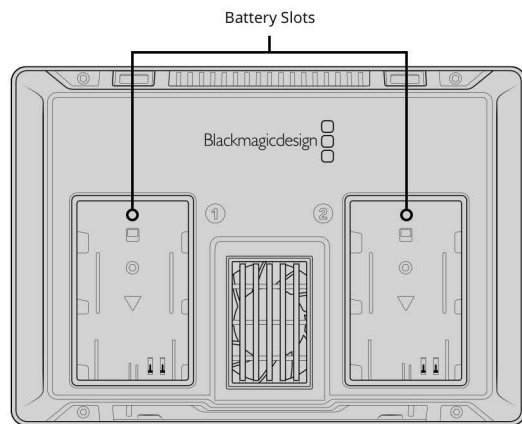
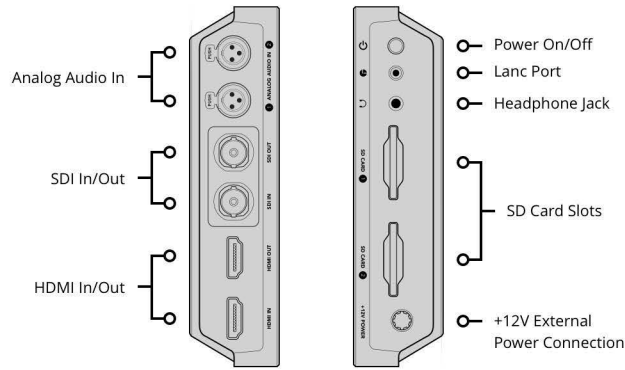
Via the device's USB port or the device's user interface.

### Computer Interface

1 x Mini-B USB 2.0 connector for initial setup, software updates and Video Assist Utility software control.



7 Inch 1920 x 1200  
Capacitive Touchscreen LCD



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## SDI Video Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60  
1080PsF23.98, 1080PsF24  
1080i50, 1080i59.94, 1080i60

### Ultra HD Video Standards

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

### SDI Compliance

SMPTE 259M, SMPTE 292M,  
SMPTE 296M, SMPTE 425M,  
SMPTE 2084

### SDI Metadata Support

HD RP188

### Audio Sampling

Television standard sample rate of  
48 kHz and 24-bit.

### Video Sampling

4:2:2 YUV

### Color Precision

10-bit

### Color Space

REC 601, REC 709

### Multiple Rate support

SDI and HDMI switches between  
270 Mb/s SD, 1.5 Gb/s HD, and  
3.0 Gb/s 60P HD plus 6.0 Gb/s  
30p Ultra HD.

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## HDMI Video Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60  
1080i50, 1080i59.94, 1080i60

### Ultra HD Video Standards

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

### HDMI Color Precision

10-bit

### Copy Protection

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

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## Media

### Media

2 x UHS-II SD for Ultra HD,  
compatible with regular SD  
for HD recording.

### Media Type

SDXC UHS-II, SDXC UHS-I and SDHC  
UHS-I SD cards.

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## Supported Codecs

ProRes 422 HQ, ProRes 422, ProRes  
422 LT, ProRes Proxy, DNxHD 220x,  
DNxHD 145, DNxHD 45, DNxHD 220x  
MXF, DNxHD 145 MXF, DNxHD 45  
MXF, DNxHR HQX MXF, DNxHR HQX,  
DNxHR SQ, DNxHR LB, DNxHR SQ  
MXF, DNxHR LB MXF.

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## Control

### **Recorder Control**

Integrated capacitive touchscreen LCD with onscreen controls for settings and navigating menus.

### **External Control**

LANC, SDI start/stop, timecode run.

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## Software

### **Software Included**

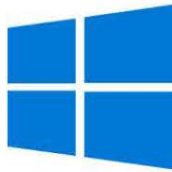
DaVinci Resolve grading software.  
SD card for Mac and Windows.

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## Operating Systems



Mac 10.12 Sierra,  
Mac 10.13 High Sierra or later.



Windows 8.1 or Windows 10.

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## Power Requirements

### **Power Supply**

1 x External 12V power supply.

LP-E6 Lithium-Ion batteries  
not included.

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## Physical Specifications



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## Environmental Specifications

### Operating Temperature

0° to 40° C (32° to 104° F)

### Storage Temperature

-21° to 45° C (-6° to 113° F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

Blackmagic Video Assist 4K  
Universal power supply with international adapters  
SD card with software and manual

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## Warranty

12 Month Limited Manufacturer's Warranty.

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