

Blackmagic Video Assist 4K

Technical Specifications

Description

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 Input

1 x SD/HD/Ultra HD 6G-SDI via BNC

SDI Video Output

1 x SD/HD/Ultra HD 6G-SDI via BNC

HDMI Video Input

1 x HDMI 2.0a connector

HDMI Video Output

1 x HDMI 2.0a connector

SDI Audio Input

2 channels embedded via 6G-SDI

SDI Audio Output

2 channels embedded via 6G-SDI

HDMI Audio Input

2 channels embedded via HDMI 2.0a

Analog Audio Input

2 x balanced mini XLR with phantom power

Analog Audio Output

1 x 3.5 mm stereo analog audio output jack.

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 Control

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

Screen Dimensions

7" 1920 x 1200 capacitive touchscreen LCD.

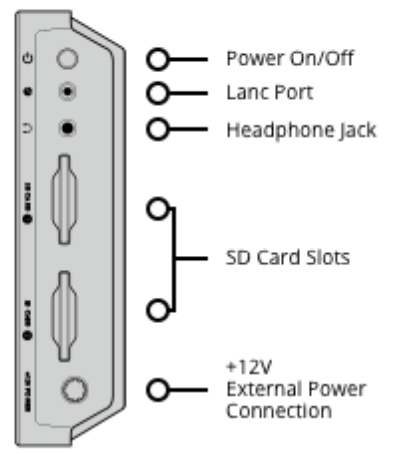
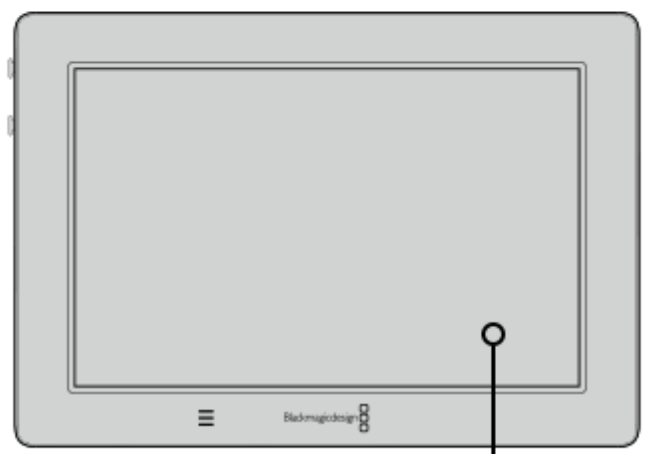
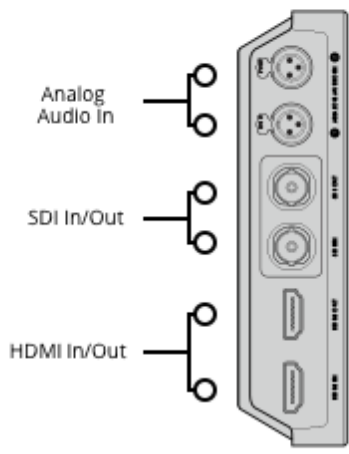
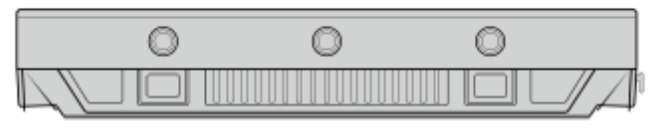
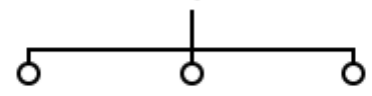
Recorder Configuration

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

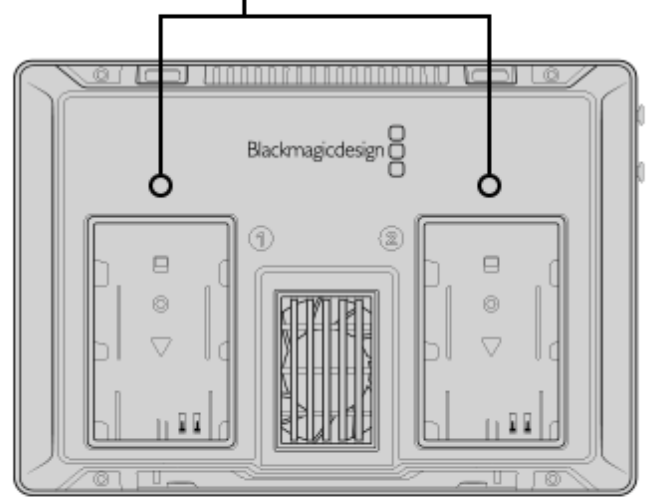
Computer Interface

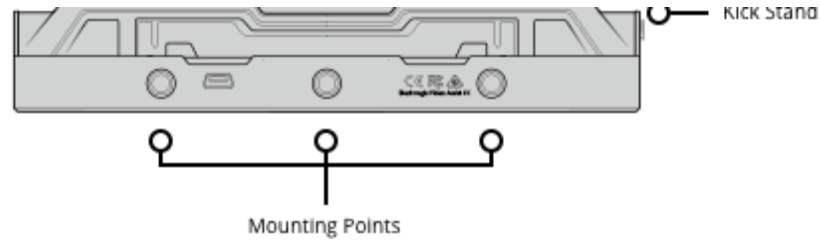
1 x Mini-B USB 2.0 connector for initial setup, software updates and Video Assist Utility software control.

Mounting Points



Battery Slots 7 inch 1920 x 1200 capacitive touchscreen LCD





Codecs

Supports: Apple ProRes 422 HQ, ProRes 422, ProRes LT, ProRes Proxy, Avid DNxHD, DNxHR

SDI Video Standards

SD Format Support

525i59.94 NTSC, 625i50 PAL

HD Format Support

720p50, 59.94
1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
1080i50, 59.94

Ultra HD Format Support

2160p23.98, 24, 25, 29.97, 30

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 425M 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 60p Ultra HD.

HDMI Video Standards

SD Format Support

525i29.97 NTSC, 625i25 PAL

HD Format Support

720p50, 59.94
1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
1080i50, 59.94

Ultra HD Format Support

2160p23.98, 24, 25, 29.97, 30

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.

Operating Systems



Mac OS X 10.10 Yosemite,
Mac OS X 10.11 El Capitan or later.



Windows 8.1 or Windows 10.

Power Requirements

2 x rechargeable LP-E6 Lithium-Ion
batteries.

+12V universal power supply included
with international socket adapters for
all countries.

Physical Specifications



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

What's Included

Blackmagic Video Assist 4K

SD card with software and manual

+12V universal power supply included with international socket adapters for all countries.

Warranty

12 Month Limited Manufacturer's Warranty.

Excluding: batteries and cables which will be free from defects in materials and workmanship for a period of 12 months from the date of purchase.