

Blackmagic Production Camera 4K EF



The Blackmagic Production Camera 4K is a complete self contained solution for shooting extremely high resolution Ultra HD 4K content! You get a large Super 35 size sensor with professional global shutter combined with precision EF mount optics, visually lossless compressed CinemaDNG RAW and Apple ProRes 422 HQ™ file recording and 12 stops of dynamic range, as well as a 6G-SDI output! Monitor in high resolution on the built in touchscreen, plus change menus and enter metadata. Includes sun shield, power supply, carry strap, UltraScope waveform monitoring software and a full version of DaVinci Resolve Studio software for Mac OS X and Windows.

\$2,995

Camera Features

Sensor Size

22mm x 11.88mm (Super 35).

RAW Resolution

12-bit RAW files recorded at 4000 x 2160

Shooting Resolutions

4K RAW at 4000 x 2160. ProRes at 3840 x 2160 and 1920 x 1080.

Frame Rates

4K RAW at 4000 x 2160p 23.98, 24, 25, 29.97, 30,
Ultra HD 2160p 23.98, 24, 25, 29.97, 30,
HD 1080p 23.98, 24, 25, 29.97, 30.

Dynamic Range

12 stops.

Focus

Focus button turns on peaking, plus auto focus on active lenses.

Iris Control

Iris button adjusts iris settings on compatible lenses so no pixel is clipped in film mode. Scene average auto exposure in video mode.

Lens Mount

EF and ZE mount compatible with electronic iris control.

Screen Dimensions

5" and 800 x 480 resolution.

Metadata Support

Automatic camera data and user data such as shot number, filenames and keywords.

Screen Type

Integrated LCD capacitive touchscreen.

Controls

Onscreen touch menus and physical buttons for recording and transport control.

Microphone

Integrated mono microphone.

Speaker

Integrated mono speaker.

Mounting Options

3 x 1/4"-20 UNC thread mounting points on top of camera. 1 x 1/4"-20 UNC thread tripod mount with locator pin.

Storage Features

Storage Type

Removable 2.5" SSD.

Please refer to either the Manual or the Information Note at www.blackmagicdesign.com/support for compatible media.

Storage Format

Mac OS Extended or exFAT format. SSDs can be formatted in camera, or on any Mac or Windows computer. Formatting in camera recommended.

Storage Rates

4000 x 2160

CinemaDNG RAW - 265 MB/s

3840 x 2160

Apple ProRes 422 HQ - 110 MB/s

Apple ProRes 422 - 73.6 MB/s

Apple ProRes 422 LT - 51 MB/s

Apple ProRes Proxy - 22.4 MB/s

1920 x 1080

Apple ProRes 422 HQ - 27.5 MB/s

Apple ProRes 422 - 18.4 MB/s

Apple ProRes 422 LT - 12.75 MB/s

Apple ProRes Proxy - 5.6 MB/s

Storage rates based on 30 frames per second.

Recording Formats

Lossless CinemaDNG RAW with film dynamic range at 4000 x 2160. Apple ProRes 422 HQ, ProRes 422, ProRes 422 LT and ProRes 422 Proxy at 3840 x 2160 and 1920 x 1080 10-bit YUV with either film or video dynamic range.

Connections

SDI Video Output

1 x 6G-SDI 10-bit 4:2:2 with choice of Film or Video Dynamic Range.

Analog Audio Input

2 x 1/4" jacks for professional balanced analog audio, switchable between mic and line levels.

Analog Audio Output

1 x 3.5mm stereo headphone output.

SDI Audio Output

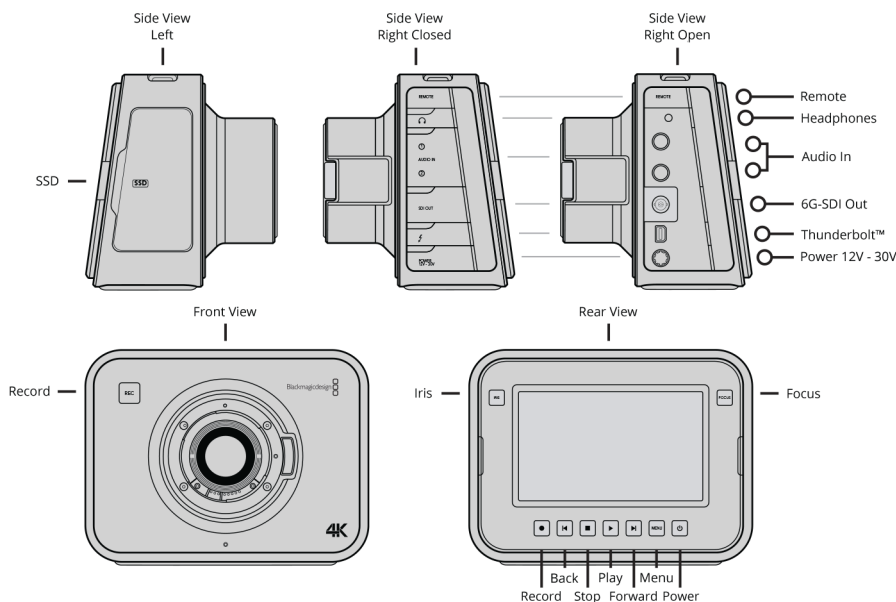
2 channels in 6G-SDI 48 kHz and 24 bit.

Computer Interface

Thunderbolt port for waveform monitoring of 1080 HD video, and capture of Ultra HD and 1080 HD video. USB 2.0 Mini-B port for software updates and configuration.

Remote Control

1 x 2.5mm LANC for Rec Start/Stop, Iris Control and Focus.



Standards

SDI Compliance

SMPTE 292M, SMPTE 424M Level B, Draft SMPTE 2081-1.

SDI Audio Sampling

48 kHz and 24-bit

Software

Software Included

DaVinci Resolve Studio grading software including Resolve USB dongle for Mac OS X and Windows. Blackmagic Camera Setup for Mac OS X and Windows. Blackmagic UltraScope. Blackmagic Media Express software. Disk Speed Test.

Software Applications

DaVinci Resolve, Fusion, Final Cut Pro X, Premiere Pro CC, After Effects CC, Photoshop CC, Pro Tools, UltraScope, Media Express, Disk Speed Test.

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

External Power

12V-30V DC port for external battery power or use included 12V AC adapter.

Power

Integrated Lithium-Ion Polymer rechargeable battery. 11V-30V DC port for external battery power or use included 12V AC adapter.

Battery Life

Approximately 90 minutes.

Battery Charge Time

Approximately 2 hours when not in use.

Accessories

Optional Accessories

Blackmagic Cinema Camera Handles.

Physical Specifications



Environmental Specifications

Operating Temperature
0° 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

Blackmagic Production Camera 4K EF
Sun Shield
Camera Strap
Turret Dust Cap
12V AC Adapter
SD card with software and manual
DaVinci Resolve Studio USB dongle

Warranty

Product Warranty
12 Month Limited Manufacturer's Warranty.

All items on this website are copyright Blackmagic Design Pty. Ltd. 2016, all rights reserved.
All trademarks are property of their respective owners. MSRP excludes sales taxes/duties and shipping costs.

Blackmagic Design Authorized Reseller