Blackmagicdesign

Blackmagic Pocket Cinema Camera 4K

The Blackmagic Pocket Cinema Camera 4K features 4/3 size sensor, 13 stops of dynamic range and dual native ISO up to 25,600 for HDR images and incredible low light performance. External controls give quick access to essential functions, while the large 5 inch touchscreen makes it easy to frame shots, focus accurately and change camera settings. Features include built in SD/UHS-II or CFast 2.0 recorders for RAW or ProRes recoding as well as a USB-C expansion port for recording externally to disks, plus MFT lens mount, built-in microphones, XLR input, full sized HDMI, 3D LUT support, Bluetooth and more.

$1,295

Camera Features

Effective Sensor Size
18.96mm x 10mm (Four Thirds)

Lens Mount
Active MFT mount.

Lens Control
Iris, focus and zoom on supported lenses.

Dynamic Range
13 Stops.

Dual Native ISO
400 and 3200

Shooting Resolutions
4096 x 2160 (4K DCI), 3840 x 2160 (Ultra HD), 1920 x 1080 (HD).

Frame Rates
Maximum sensor frame rate dependent on resolution and codec selected. Project frame rates of 23.98, 24, 25, 29.97, 30, 50, 59.94 and 60 fps supported.
Off-speed frame rates up to 60 fps in 4K DCI, 120 fps in HD windowed.

Focus
Focus button turns on peaking, auto focus available using compatible lenses.

Iris Control
Iris wheel and touchscreen slider for manual iris adjustment on electronically controllable lenses, iris button for instant auto iris settings on compatible lenses so no pixel is clipped in film mode. Scene average auto exposure in video mode.

Screen Dimensions
5" 1920 x 1080.

Screen Type
LCD capacitive touchscreen.

Metadata Support
Automatically populated lens data from electronic Micro Four Thirds lenses. Automatic recording of camera settings and slate data such as project, scene number, take and special notes.

Controls
Touchscreen menus on 5 inch screen. 1 x Power Switch, 1 x Record Button, 1 x Stills Button, 1 x Scroll Wheel with push integrated into handgrip, 1 x ISO Button, 1 x White Balance, 1 x Shutter Button, 3 x software configurable Fn buttons, 1 x High Frame Rate (HFR) Button, 1 x Zoom Button, 1 x Menu Button, 1 x Play Button, 1 x Focus Button and 1 x IRIS Button.

Connections

Total Video Inputs
None.

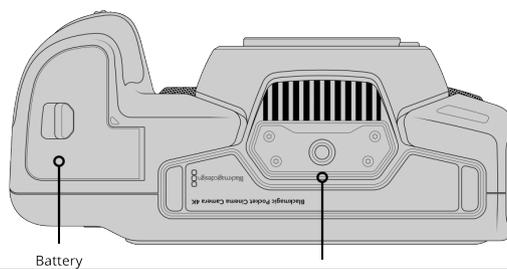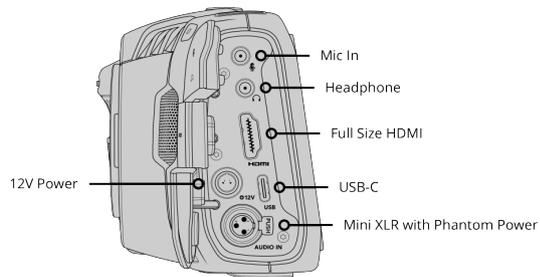**Total Video Outputs**
1 x HDMI Type A
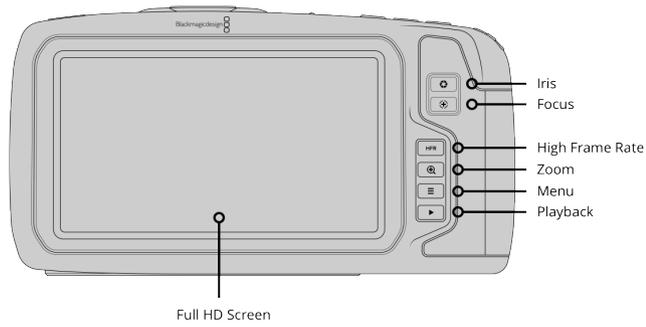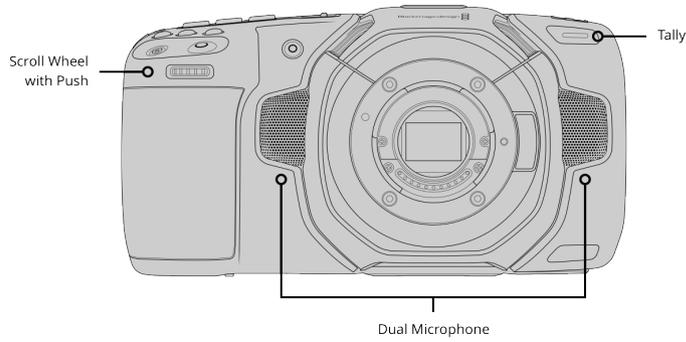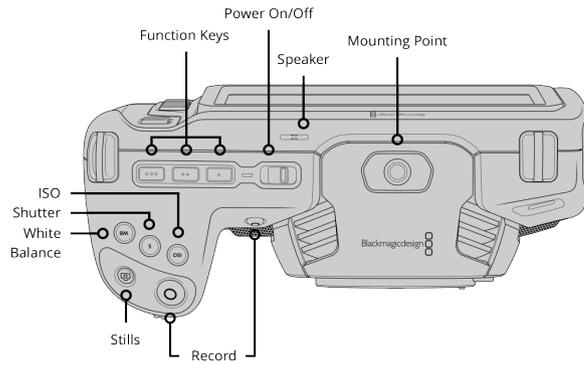
Analog Audio Inputs
1 x mini XLR analog switchable between mic with phantom power support and line level (up to +14dBu). 1 x 3.5mm Stereo Input. Can also be used for Timecode input.

Analog Audio Outputs
1 x 3.5mm headphone jack.

Computer Interface
USB Type-C for external drive recording, software updates and media download.

Power On/Off
Function Keys
Speaker
Mounting Point

ISO
Shutter
White
Balance

Stills

Record

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Scroll Wheel
with Push

Tally

Dual Microphone

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Iris
Focus

High Frame Rate
Zoom
Menu
Playback

Full HD Screen

Mic In

Headphone

Full Size HDMI

12V Power

USB-C

Mini XLR with Phantom Power

Battery

Tripod Mounting Point

Audio

Microphone
Integrated stereo microphone.

Built in Speaker
1 x mono speaker.

Standards

SD Video Standards
None.

HD Video Standards
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60.

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p50,
2160p59.94, 2160p60.

4K DCI Standards
4KDCIp23.98, 4KDCIp24, 4KDCIp25,
4KDCIp29.97, 4KDCIp30, 4KDCIp50,
4KDCIp59.94, 4KDCIp60.

Media

Media
1 x CFast and 1 x SD UHS-II card slot
for CinemaDNG Raw and ProRes
Recording. Actual supported codec
and frame rates are media
dependent.

Media Format
Can format cards to ExFAT for
Windows and Mac or HFS+ for Mac
(file systems).

Supported Codecs

Codecs
CinemaDNG RAW, CinemaDNG RAW
3:1, CinemaDNG RAW 4:1, ProRes 422
HQ QuickTime, ProRes 422
QuickTime, ProRes 422 LT QuickTime,
ProRes 422 Proxy QuickTime.

Storage Features

Storage Type
1 x CFast 2.0.

1 x SD UHS-II card.

Storage Rates

4096 x 2160
CinemaDNG RAW - 272 MB/s
CinemaDNG RAW 3:1 - 129 MB/s
CinemaDNG RAW 4:1 - 97 MB/s
Apple ProRes 422 HQ - 117.88 MB/s
Apple ProRes 422 - 78.63 MB/s
Apple ProRes 422 LT - 54.63 MB/s
Apple ProRes Proxy - 24.25 MB/s

3840 x 2160
CinemaDNG RAW - 255 MB/s
CinemaDNG RAW 3:1 - 122 MB/s
CinemaDNG RAW 4:1 - 92 MB/s
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
CinemaDNG RAW - 66 MB/s
CinemaDNG RAW 3:1 - 32 MB/s
CinemaDNG RAW 4:1 - 24 MB/s
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, RAW 3:1 and RAW 4:1 with film dynamic range at 4096 x 2160, 3840 x 2160 and 1920 x 1080. Apple ProRes 4096 x 2160, 3840 x 2160 and 1920 x 1080 in either film, video, extended video dynamic range or custom 3D LUT.

Software

Software Included
Pocket Cinema Camera 4K Operating System.

DaVinci Resolve Studio on SD Card.

Blackmagic Camera Setup.

Operating Systems

Mac 10.12 Sierra,
Mac 10.13 High Sierra or later.

Windows 8.1 or Windows 10.

Power Requirements

Power Supply
1 x External 12V power supply.

External Power Input
1 x 2-pin locking connector.

Battery Type
Canon LP-E6.

Battery Life
Approximately 60 minutes (recording at 24 fps without any external USB-C device connected)

Power
12V-20V

Acessories

Optional Accessories

Physical Specifications

7 in

3.4 in

3.8 in

1.59 lb

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 Pocket Cinema Camera 4K
Lens turret dust cap.
30W power supply with locking connector and international adapters.
LP-E6 Battery
SD card with software and manual.
Welcome card.
DaVinci Resolve Studio with activation key.

Warranty

Product Warranty

12 Month Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller