Blackmagic Pocket Cinema Camera 4K



$1,139

The Blackmagic Pocket Cinema Camera 4K features a 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 Blackmagic RAW, Apple ProRes RAW or Apple ProRes recording 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.

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) up to 60 fps
4096 x 1720 (4K 2.4:1) up to 75 fps
3840 x 2160 (Ultra HD) up to 60 fps
2880 x 2160 (2.8K anamorphic) up to 80 fps
2688 x 1512 (2.6K 16:9) up to 120 fps
1920 x 1080 (HD) up to 120 fps

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 2.6K 16:9 and HD windowed.

Focus
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.

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, motion sensor data plus slate data such as project, scene number, take and special notes. A 3D LUT can also be embedded in metadata of Blackmagic RAW files.

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 IRIS Button, 1 x Focus Button, 1 x High Frame Rate (HFR) Button, 1 x Zoom Button, 1 x Menu Button and 1 x Playback Button.

Connections

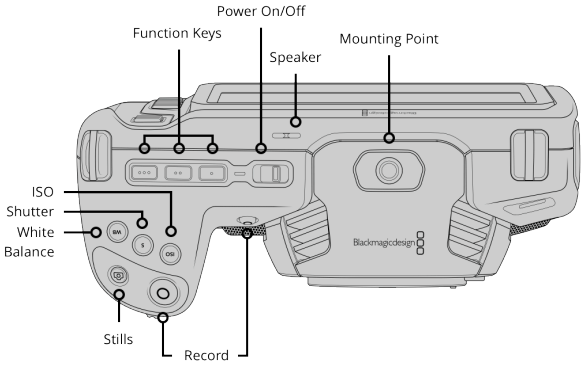
Total Video Inputs
None.

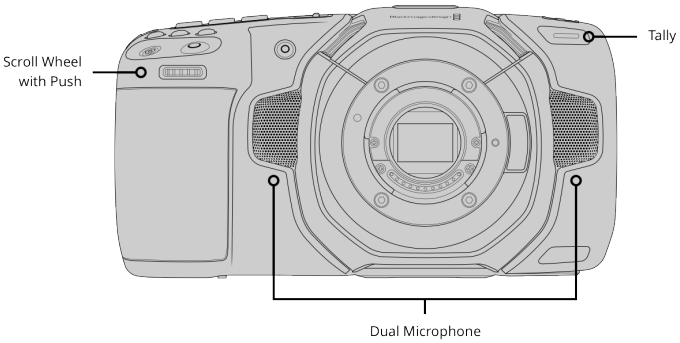
Total Video Outputs
1 x HDMI up to 1080p60

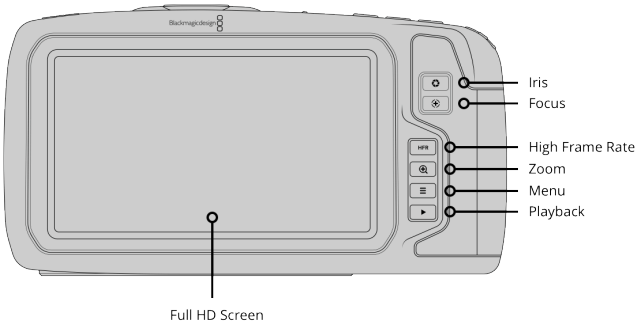
Analog Audio Inputs
1 x mini XLR analog switchable between mic with phantom power support and line level (up to +14dBu).
1 x 3.5mm Stereo Input. Can also be used for Timecode input.

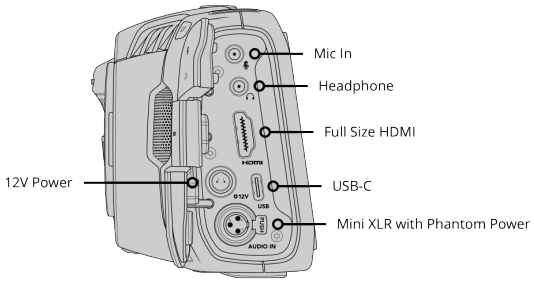
Analog Audio Outputs
1 x 3.5mm headphone jack.

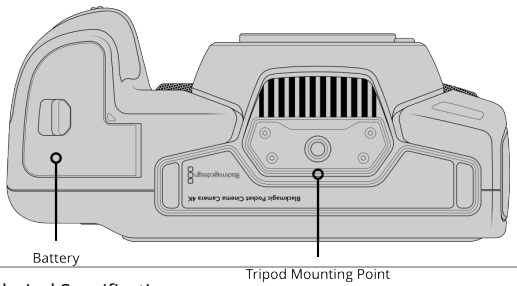
Computer Interface
USB Type-C for external drive recording, PTP camera control and software updates.


Power On/Off
Function Keys
Speaker
Mounting Point
ISO
Shutter
White
Balance
Stills
Record


Tally
Scroll Wheel
with Push
Dual Microphone


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
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI, 4Kp50 DCI, 4Kp59.94 DCI, 4Kp60 DCI

Media

Media
1 x CFast card slot, 1 x SD UHS-II card slot, 1 x USB-C 3.1 Gen 1 expansion port for external media for Blackmagic RAW, Apple ProRes RAW and Apple ProRes recording. Please refer to either the Manual or the Information Note at www.blackmagicdesign.com/support for compatible media.

Media Format
Can format media to ExFAT (Windows/Mac) or HFS+ (Mac) file systems.

Supported Codecs

Codecs
Blackmagic RAW Constant Bitrate 3:1
Blackmagic RAW Constant Bitrate 5:1
Blackmagic RAW Constant Bitrate 8:1
Blackmagic RAW Constant Bitrate 12:1
Blackmagic RAW Constant Quality Q0
Blackmagic RAW Constant Quality Q5
Apple ProRes RAW HQ
Apple ProRes RAW
Apple ProRes 422 HQ QuickTime
Apple ProRes 422 QuickTime
Apple ProRes 422 LT QuickTime
Apple ProRes 422 Proxy QuickTime

Control

External Control
iPad control, Bluetooth control, USB PTP camera control. External control of some camera settings, focus, iris and zoom with compatible lenses, color corrector, tally and internal record start and stop when used with a compatible ATEM and ATEM Software Control.

Cloud Synchronization

Blackmagic Cloud

Learn More

Color Corrector

Color Corrector
DaVinci YRGB.

Storage Features

Storage Type
1 x CFast 2.0.
1 x SD UHS-II card.
1 x high speed USB-C expansion port for external media.

Recording Formats
Blackmagic RAW 3:1, 5:1, 8:1, 12:1, Q0, Q1, Q3, Q5 plus Apple ProRes RAW HQ and Apple ProRes RAW at 4096 x 2160, 4096 x 1720, 3840 x 2160, 2880 x 2160, 2688 x 1512 and 1920 x 1080 with film, extended video or video dynamic range or custom 3D LUT embedded in metadata.
Apple ProRes at 4096 x 2160, 3840 x 2160 and 1920 x 1080 with film, extended video or video dynamic range or custom 3D LUT.
Supports recording optional portrait mode metadata for all resolutions in Blackmagic RAW, Apple ProRes RAW and Apple ProRes.

Audio Channels
2 channels.

Audio Recording
Uncompressed linear PCM 24-bit, 48kHz embedded audio in ProRes and Blackmagic RAW.

Storage Rates
Storage rates based on 30 frames per second.

4096 x 2160
Blackmagic RAW 3:1 - 136 MB/s
Blackmagic RAW 5:1 - 82 MB/s
Blackmagic RAW 8:1 - 51 MB/s
Blackmagic RAW 12:1 - 35 MB/s
Blackmagic RAW Q0 - 102 to 203 MB/s
Blackmagic RAW Q1 - 68 to 163 MB/s
Blackmagic RAW Q3 - 46 to 116 MB/s
Blackmagic RAW Q5 - 28 to 68 MB/s
Apple ProRes RAW HQ - 185 MB/s
Apple ProRes RAW - 122.8 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
4096 x 1720
Blackmagic RAW 3:1 - 108 MB/s
Blackmagic RAW 5:1 - 65 MB/s
Blackmagic RAW 8:1 - 41 MB/s
Blackmagic RAW 12:1 - 28 MB/s
Blackmagic RAW Q0 - 81 to 162 MB/s
Blackmagic RAW Q1 - 55 to 130 MB/s
Blackmagic RAW Q3 - 37 to 93 MB/s
Blackmagic RAW Q5 - 22 to 55 MB/s
Apple ProRes RAW HQ - 147.7 MB/s
Apple ProRes RAW - 98 MB/s
3840 x 2160
Blackmagic RAW 3:1 - 127 MB/s
Blackmagic RAW 5:1 - 77 MB/s
Blackmagic RAW 8:1 - 48 MB/s
Blackmagic RAW 12:1 - 32 MB/s
Blackmagic RAW Q0 - 96 to 190 MB/s
Blackmagic RAW Q1 - 64 to 153 MB/s
Blackmagic RAW Q3 - 43 to 109 MB/s
Blackmagic RAW Q5 - 26 to 64 MB/s
Apple ProRes RAW HQ - 173.6 MB/s
Apple ProRes RAW - 115.2 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
2880 x 2160
Blackmagic RAW 3:1 - 96 MB/s
Blackmagic RAW 5:1 - 58 MB/s
Blackmagic RAW 8:1 - 36 MB/s
Blackmagic RAW 12:1 - 25 MB/s
Blackmagic RAW Q0 - 72 to 143 MB/s
Blackmagic RAW Q1 - 48 to 115 MB/s
Blackmagic RAW Q3 - 32 to 82 MB/s
Blackmagic RAW Q5 - 20 to 48 MB/s
Apple ProRes RAW HQ - 85.8 MB/s
Apple ProRes RAW - 57 MB/s
2688 x 1512
Blackmagic RAW 3:1 - 63 MB/s
Blackmagic RAW 5:1 - 38 MB/s
Blackmagic RAW 8:1 - 24 MB/s
Blackmagic RAW 12:1 - 16 MB/s
Blackmagic RAW Q0 - 48 to 94 MB/s
Blackmagic RAW Q1 - 32 to 76 MB/s
Blackmagic RAW Q3 - 22 to 54 MB/s
Blackmagic RAW Q5 - 13 to 32 MB/s
1920 x 1080
Blackmagic RAW 3:1 - 33 MB/s
Blackmagic RAW 5:1 - 20 MB/s
Blackmagic RAW 8:1 - 13 MB/s
Blackmagic RAW 12:1 - 8.4 MB/s
Blackmagic RAW Q0 - 25 to 49 MB/s
Blackmagic RAW Q1 - 17 to 39 MB/s
Blackmagic RAW Q3 - 11 to 28 MB/s
Blackmagic RAW Q5 - 7 to 17 MB/s
Apple ProRes 422 HQ - 27.5 MB/s
Apple ProRes RAW HQ - 44.3 MB/s
Apple ProRes RAW - 29.5 MB/s
Apple ProRes 422 - 18.4 MB/s
Apple ProRes 422 LT - 12.75 MB/s
Apple ProRes Proxy - 5.6 MB/s

Blackmagic RAW and Apple ProRes RAW storage rates quoted are indicative only. Actual storage rates are entirely dependent on image subject matter.

Software

Software Included

Blackmagic OS

Operating Systems

Mac 13.0 Ventura,
Mac 14.0 Sonoma or later.

Windows 10 and 11.

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

Accessories

Optional Accessories
Blackmagic Pocket Camera Battery Grip.

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 Pocket Cinema Camera 4K
Lens turret dust cap
30W power supply with locking connector and international adapters
LP-E6 battery
Welcome wallet with QR code for software download
Welcome card
DaVinci Resolve Studio with activation key

Warranty

Product Warranty
1 Year Limited Manufacturer's Warranty.

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