Blackmagic Pocket Cinema Camera 4K

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 or 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.

$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) 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 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
- 1 x IRIS 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.
Audio

**Microphone**
Integrated stereo microphone.

**Built in Speaker**
1 x mono speaker.

Standards

**SD Video Standards**
None.

**HD Video Standards**

**Ultra HD Video Standards**

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

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 and 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,
ProRes 422 HQ QuickTime,
ProRes 422 QuickTime,
ProRes 422 LT QuickTime,
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.

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.

Storage Rates
Storage rates based on 30 frames per second.
4096 x 2160
Blackmagic RAW 3:1 - 135 MB/s
Blackmagic RAW 5:1 - 81 MB/s
Blackmagic RAW 8:1 - 51 MB/s
Blackmagic RAW 12:1 - 34 MB/s
Blackmagic RAW Q0 - 81 to 203 MB/s
* Blackmagic RAW Q5 - 21 to 58 MB/s
** Apple ProRes 422 HQ - 117.88 MB/s
Apple ProRes 422 - 73.6 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 - 27 MB/s
Blackmagic RAW Q0 - 65 to 161 MB/s
* Blackmagic RAW Q5 - 17 to 47 MB/s
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3840 x 2160
Blackmagic RAW 3:1 - 127 MB/s
Blackmagic RAW 5:1 - 76 MB/s
Blackmagic RAW 8:1 - 48 MB/s
Blackmagic RAW 12:1 - 32 MB/s
Blackmagic RAW Q0 - 76 to 190 MB/s
* Blackmagic RAW Q5 - 19 to 55 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 - 24 MB/s
Blackmagic RAW Q0 - 58 to 143 MB/s
* Blackmagic RAW Q5 - 15 to 41 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 MB/s
Blackmagic RAW Q0 - 20 to 49 MB/s
Blackmagic RAW Q5 - 5 to 14 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

Recording Formats
Blackmagic RAW 3:1, 5:1, 8:1, 12:1, Q0 and Q5 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. ProRes at 4096 x 2160, 3840 x 2160 and 1920 x 1080 with film, extended video or video dynamic range or custom 3D LUT.

Constant Quality setting Q0 storage rates quoted are indicative only, based on a 2:1 - 5:1 compression range.
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Constant Quality setting Q5 storage rates quoted are indicative only, based on a 7:1 - 20:1 compression range. Actual storage rates are entirely dependent on image subject matter.

Software

Software Included
Blackmagic OS

Operating Systems

![MacOS](image)
Mac 10.14 Mojave,
Mac 10.15 Catalina or later.

![Windows](image)
Windows 10.

Power Requirements

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Battery Type</th>
<th>Power</th>
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<tr>
<td>1 x External 12V power supply.</td>
<td>Canon LP-E6.</td>
<td>12V-20V</td>
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External Power Input
1 x 2-pin locking connector.

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

Accessories

Optional Accessories
Blackmagic Pocket Camera Battery Grip.
Physical Specifications

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
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<tr>
<td>0° to 40°C (32° to 104°F)</td>
<td>-20° to 45°C (-4° to 113°F)</td>
<td>0% to 90% non-condensing</td>
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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.