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 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

<table>
<thead>
<tr>
<th><strong>Analog Audio Inputs</strong></th>
<th><strong>Analog Audio Outputs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>1 x 3.5mm headphone jack.</td>
</tr>
</tbody>
</table>

**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**
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 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

**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 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 or custom 3D LUT embedded in metadata.
ProRes at 4096 x 2160, 3840 x 2160 and 1920 x 1080 with film, extended video or video dynamic range or custom 3D LUT.

**Storage Rates**
Storage rates based on 30 frames per second.
<table>
<thead>
<tr>
<th>Resolution</th>
<th>Blackmagic RAW 3:1</th>
<th>Blackmagic RAW 5:1</th>
<th>Blackmagic RAW 8:1</th>
<th>Blackmagic RAW 12:1</th>
<th>Blackmagic RAW Q0</th>
<th>Blackmagic RAW Q1</th>
<th>Blackmagic RAW Q3</th>
<th>Blackmagic RAW Q5</th>
<th>Apple ProRes 422 HQ</th>
<th>Apple ProRes 422</th>
<th>Apple ProRes 422 LT</th>
<th>Apple ProRes Proxy</th>
</tr>
</thead>
<tbody>
<tr>
<td>4096 x 2160</td>
<td>136 MB/s</td>
<td>82 MB/s</td>
<td>51 MB/s</td>
<td>35 MB/s</td>
<td>102 to 203 MB/s</td>
<td>68 to 163 MB/s</td>
<td>46 to 116 MB/s</td>
<td>28 to 68 MB/s</td>
<td>28 MB/s</td>
<td>32 to 82 MB/s</td>
<td>20 to 48 MB/s</td>
<td>102 to 203 MB/s</td>
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<tr>
<td>2880 x 2160</td>
<td>96 MB/s</td>
<td>58 MB/s</td>
<td>36 MB/s</td>
<td>25 MB/s</td>
<td>72 to 143 MB/s</td>
<td>48 to 115 MB/s</td>
<td>32 to 82 MB/s</td>
<td>20 to 48 MB/s</td>
<td>117.88 MB/s</td>
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<tr>
<td>3840 x 2160</td>
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<td>65 MB/s</td>
<td>41 MB/s</td>
<td>28 MB/s</td>
<td>81 to 162 MB/s</td>
<td>41 MB/s</td>
<td>28 MB/s</td>
<td>25 to 49 MB/s</td>
<td>33 MB/s</td>
<td>38 MB/s</td>
<td>24 MB/s</td>
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<tr>
<td>2688 x 1512</td>
<td>96 MB/s</td>
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<td>24.25 MB/s</td>
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<td>1920 x 1080</td>
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<td>17 to 39 MB/s</td>
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<tr>
<td>1280 x 720</td>
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<td>41 MB/s</td>
<td>28 MB/s</td>
<td>81 to 162 MB/s</td>
<td>41 MB/s</td>
<td>28 MB/s</td>
<td>25 to 49 MB/s</td>
<td>33 MB/s</td>
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<td>24.25 MB/s</td>
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<tr>
<td>1024 x 576</td>
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<td>24 MB/s</td>
<td>16 MB/s</td>
<td>72 to 143 MB/s</td>
<td>32 to 82 MB/s</td>
<td>20 to 48 MB/s</td>
<td>25 to 49 MB/s</td>
<td>33 MB/s</td>
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<td>24 MB/s</td>
<td>24.25 MB/s</td>
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<tr>
<td>960 x 540</td>
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<td>16 MB/s</td>
<td>72 to 143 MB/s</td>
<td>32 to 82 MB/s</td>
<td>20 to 48 MB/s</td>
<td>25 to 49 MB/s</td>
<td>33 MB/s</td>
<td>38 MB/s</td>
<td>24 MB/s</td>
<td>24.25 MB/s</td>
</tr>
</tbody>
</table>

Constant Quality storage rates quoted are indicative only. Actual storage rates are entirely dependent on image subject matter.

Software

**Software Included**

Blackmagic OS
Operating Systems

- Mac 10.14 Mojave, Mac 10.15 Catalina or later.
- Windows 10.

Power Requirements

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

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>
</tr>
</thead>
<tbody>
<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>
</tr>
</tbody>
</table>
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
12 Month Limited Manufacturer’s Warranty.

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