Blackmagic Pocket Cinema Camera 6K

The Blackmagic Pocket Cinema Camera 6K features a Super 35 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 EF lens mount, built-in microphones, XLR input, full sized HDMI, 3D LUT support, Bluetooth and more.

£2,025

Camera Features

**Effective Sensor Size**
23.10mm x 12.99mm (Super 35)

**Lens Mount**
Active EF mount.

**Lens Control**
Iris, focus and zoom on supported lenses.

**Dynamic Range**
13 Stops.

**Dual Native ISO**
400 and 3200

**Shooting Resolutions**
- 6144 x 3456 (6K) up to 50 fps
- 6144 x 2560 (6K 2.4:1) up to 60 fps
- 5744 x 3024 (5.7K 17:9) up to 60 fps
- 4096 x 2160 (4K DCI) up to 60 fps
- 3840 x 2160 (Ultra HD) up to 60 fps
- 3728 x 3104 (3.7K 6:5 anamorphic) up to 60 fps
- 2868 x 1512 (2.8K 17:9) 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 6K 2.4:1, 120 fps in 2.8K 17:9 and 1080HD.

**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 EF lenses. Automatic recording of camera settings and 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 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 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.
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

<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 Q5</th>
</tr>
</thead>
<tbody>
<tr>
<td>6144 x 3456 (6K)</td>
<td>323 MB/s</td>
<td>194 MB/s</td>
<td>121 MB/s</td>
<td>81 MB/s</td>
<td>194 to 483 MB/s</td>
<td>11 to 29 MB/s</td>
</tr>
<tr>
<td>6144 x 2560 (6K 2.4:1)</td>
<td>240 MB/s</td>
<td>144 MB/s</td>
<td>90 MB/s</td>
<td>60 MB/s</td>
<td>144 to 359 MB/s</td>
<td>37 to 103 MB/s</td>
</tr>
<tr>
<td>5744 x 3024 (5.7K 17:9)</td>
<td>264 MB/s</td>
<td>159 MB/s</td>
<td>100 MB/s</td>
<td>67 MB/s</td>
<td>159 to 395 MB/s</td>
<td>41 to 101 MB/s</td>
</tr>
<tr>
<td>4096 x 2160 (4K DCI)</td>
<td>117.88 MB/s</td>
<td>78.63 MB/s</td>
<td>51 MB/s</td>
<td>24.25 MB/s</td>
<td>110 to 265 MB/s</td>
<td>27 to 76 MB/s</td>
</tr>
<tr>
<td>4096 x 2160 (Ultra HD)</td>
<td>110 MB/s</td>
<td>73.6 MB/s</td>
<td>51 MB/s</td>
<td>22.4 MB/s</td>
<td>106 to 265 MB/s</td>
<td>27 to 76 MB/s</td>
</tr>
<tr>
<td>3728 x 3104 (3.7K 6:5 anamorphic)</td>
<td>176 MB/s</td>
<td>106 MB/s</td>
<td>67 MB/s</td>
<td>45 MB/s</td>
<td>106 to 265 MB/s</td>
<td>27 to 76 MB/s</td>
</tr>
<tr>
<td>2868 x 1512 (2.8K 17:9)</td>
<td>117.88 MB/s</td>
<td>78.63 MB/s</td>
<td>51 MB/s</td>
<td>22.4 MB/s</td>
<td>106 to 265 MB/s</td>
<td>27 to 76 MB/s</td>
</tr>
</tbody>
</table>

Storage rates based on 30 frames per second.

* Constant Quality setting Q0 storage rates quoted are indicative only, based on a 2:1 - 5:1 compression range.

** 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.

### Recording Formats

Blackmagic RAW 3:1, 5:1, 8:1, 12:1, Q0 and Q5 at 6144 x 3456, 6144 x 2560, 5744 x 3024, 3728 x 3104 and 2868 x 1512 with film, extended video, 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.
Software

Software Included
Pocket Cinema Camera 6K
Operating System.

Operating Systems

Mac 10.13 High Sierra, Mac 10.14 Mojave or later.
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 45 minutes (recording 6K RAW at 24 fps to CFast 2.0 with screen brightness at 50%)

Power
12V-20V.

Accessories

Optional Accessories
Blackmagic Pocket Camera Battery Grip.

Physical Specifications
Environmental Specifications

<table>
<thead>
<tr>
<th></th>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<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 6K
- Lens turret dust cap
- Camera strap
- 30W power supply with locking connector and international adapters
- LP-E6 battery
- Welcome booklet
- DaVinci Resolve Studio activation key

Warranty

**Product Warranty**

12 Month Limited Manufacturer's Warranty.

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