

Blackmagic Pocket Cinema Camera 4K

Blackmagicdesign 





Blackmagic Pocket Cinema Camera 4K shown with optional lens.

Blackmagic Pocket Cinema Camera 4K

Introducing the next generation handheld 4K digital film camera!

The revolutionary new Blackmagic Pocket Cinema Camera 4K is the camera you've been asking for! It features an all new handheld design that puts the latest advanced digital film technology into the palm of your hand! The Blackmagic Pocket Cinema Camera 4K has a 4/3 size sensor, 13 stops of dynamic range and a maximum dual native ISO up to 25,600. That means you get stunning HDR images and incredible low light performance! The external controls give you quick access

to essential functions, while the large 5 inch touchscreen makes it easy to frame shots, focus accurately and change camera settings. Images are recorded onto standard SD/UHS-II or CFast 2.0 cards in RAW and ProRes at up to 120 frames per second! In addition, the Blackmagic Pocket Cinema Camera 4K has an MFT lens mount, built-in microphones, mini XLR input, full sized HDMI, 3D LUT support, Bluetooth, USB-C Expansion Port and more!

Elegant Modern Design

Designed to be portable, packed with features and fully expandable!

The portable handheld design of the Blackmagic Pocket Cinema Camera 4K gives you incredible mobility without sacrificing features. The highly compact form factor features a carbon fiber polycarbonate composite body that makes it extremely durable and lightweight so you can take it anywhere. You get a super bright 5 inch screen, multiple built in microphones, built in recorders and external buttons and dials that give you fast access to the most important functions. That means you can quickly check framing and focus, capture audio and record your files without having to carry around extra monitors, microphones, recorders and cables. You also get lots of mounting points, a mini XLR input with phantom power, Bluetooth control and more. With the Blackmagic Pocket Cinema Camera 4K you get a fully featured portable digital film camera that's flexible and expandable!

Super Large Touchscreen

Large and bright 5 inch touchscreen makes focusing fast and easy!

The back of the Blackmagic Pocket Cinema Camera 4K features a super bright, large 5 inch touchscreen. This makes it easy for you to frame shots and accurately focus, without having to carry around an external monitor or viewfinder! You get the same menus and interface found on URSA Mini cameras, including on screen overlays for recording parameters, status, histogram, focus and peaking indicators, and playback controls. In addition, you can apply 3D LUTs so you can monitor the shot with the desired color and look. Not only can you use the 3D LUT for monitoring, it can even be baked into the recorded footage. There's even a speaker located near the screen, which makes it easy to quickly play back and review shots on set!

Function Buttons

3 user customizable function buttons to get to features quickly.

ISO, Shutter and White Balance

Instantly change critical exposure settings while shooting.

Still Button

Take a still shot to get photos using the camera's colorimetry.

Record Button

Perfectly positioned record start/stop button.

Scroll Wheel with Push

Quickly scroll through settings and control your electronic iris when shooting.

Self Shoot Button

An easy to access record button when pointing the camera at yourself.

3.5mm Stereo Input

Stereo input perfect for video microphones and can even accept LTC timecode.

Full Size HDMI Connector

Robust full size HDMI connection with 10-bit clean output or overlays.

DC Power

Professional locking DC power connector.

USB Expansion Port

High speed USB-C connection for direct external recording.

XLR Audio Connection

One mini XLR connection with 48V phantom power and high quality, low noise pre-amps.

Mounting Points

Standard 1/4 inch-20 mounting point on top and bottom of camera.

Tally

Lets you know when the camera is recording.

Built-in Speaker

Speaker for monitoring audio during playback.

MFT Lens Mount

Use a wide range of MFT compatible lenses and adapters.

4/3 Sensor

Capture 13 stops of dynamic range in 4K.

5 inch Touchscreen

Large 1920 x 1080 screen makes focusing accurate and easy.

Auto Focus and Auto Iris

Set the optimal exposure and focus settings on your electronic lens.

High Frame Rate Button

Enable the high frame rate mode to catch unexpected action in slow motion!

Focus Zoom Button

Quickly punch into your image to check critical focus.

Menu Button

Fast access to menu for camera settings.

Playback Button

Instantly replay your captured video.

Recording Media

Record using standard SD cards, UHS-II cards or CFast 2.0 media!

When it comes to recording, the Blackmagic Pocket Cinema Camera 4K gives you 3 kinds of media to choose from. Images can be recorded on to standard SD cards, faster UHS-II cards or CFast 2.0 cards. High definition video can be recorded using regular inexpensive SD cards. Higher performance UHS-II cards can be used for recording Ultra HD in ProRes at up to 60 frames per second and RAW at up to 30 frames per second. CFast cards can record 12-bit RAW at all supported frame rates. For longer recording times, you can also record directly to an external SSD or flash disk using the built in USB-C Expansion Port! Best of all, there's nothing proprietary. The files will work with all professional post production software. You can even mount the media cards on your computer and start editing directly from them using the included DaVinci Resolve Studio software!

Expansion Port

High speed USB-C connection for direct external recording!

The Blackmagic Pocket Cinema Camera 4K features an innovative high speed USB-C Expansion Port. USB-C is fast, flexible and even provides power, so it's quickly becoming standard on all modern computers and devices. The massive bandwidth of USB-C makes it possible to connect external accessories such as flash drives and SSDs for significantly longer recording times. This can be important when shooting high quality lossless 12-bit RAW or even high frame rate 60 frame per second 4K. Best of all, when you're done shooting you can use the same drive for editing and post production!





Portable, Affordable and Professional

Now you can shoot anything in 4K!

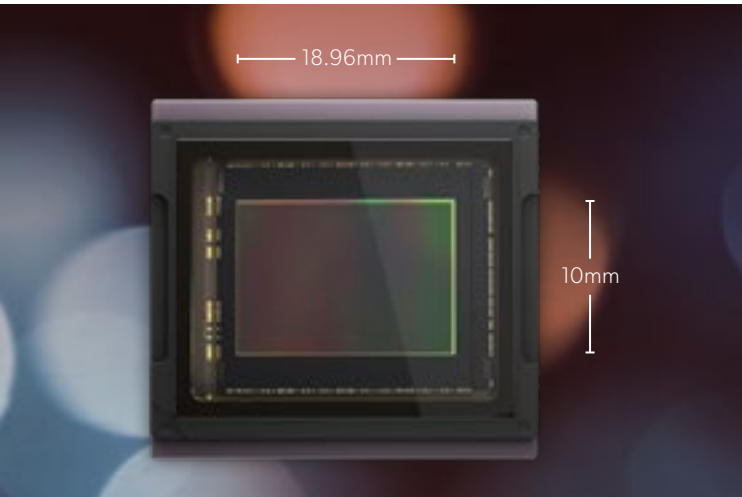
The Blackmagic Pocket Cinema Camera 4K gives you the professional features you need, all in a portable and affordable design that can be used anywhere. It's perfect for shooting independent films and documentaries, fashion shows, travel blogs, web videos, weddings, corporate video, sports and more. The incredible image quality, advanced Blackmagic Design color science and RAW recording

features let you shoot images that rival professional digital film cameras costing tens of thousands more. That means you get the image quality you need to seamlessly mix footage from the Blackmagic Pocket Cinema Camera 4K with other types of cameras used on high end Hollywood feature films and episodic television shows!

4K Digital Film Sensor

Excellent low light performance and wide dynamic range!

The Blackmagic Pocket Cinema Camera 4K features a full size 4/3 sensor that gives you 4096 x 2160 resolution with an incredible 13 stops of dynamic range for true digital film quality. Because it's full size, the 4/3 sensor reduces crop factor, giving you a wider field of view. It also has a maximum ISO of 25,600 so you get incredible low light performance! The Blackmagic Pocket Cinema Camera 4K can record at up to 60 frames per second in 4K and up to a massive 120 frames per second for windowed HD. The camera features fourth generation Blackmagic Design color science with film, video and extended video modes. The new extended mode gives you film style latitude with the convenience of video, so you get great looking images without having to do a lot of work in post production!



Includes DaVinci Resolve Studio

Professional editing, visual effects, color correction and audio post!

The Blackmagic Pocket Cinema Camera 4K includes a full version of DaVinci Resolve Studio, which is a complete post production solution. You get the world's most advanced solution that combines professional editing, color correction, audio post and visual effects all in one software tool! DaVinci Resolve is used to finish more Hollywood feature films than any other solution, so you'll get the best possible post production tools to edit native video from your camera and retain every bit of quality. Whether you're working on major Hollywood feature films, episodic television productions, music videos, commercials or even the latest YouTube shoot, DaVinci Resolve Studio gives you a completely lossless workflow for native editing, color correction, effects, audio and delivery, so your video always looks as good as possible!



Blackmagic OS

Get the same advanced features as larger cameras!

The Blackmagic Pocket Cinema Camera 4K uses the same Blackmagic OS as URSA Mini. That means you get the world’s most advanced camera operating system and many of the same professional features found on larger cameras! If you’re just getting started, you can learn how to use the Pocket Cinema Camera 4K today and move up to an URSA Mini when you’re ready! If you already use an URSA Mini, there’s nothing new to learn! You get a modern touchscreen

interface that uses simple tap and swipe gestures to adjust settings, add metadata and view recording status. The Blackmagic OS gives you incredible control of advanced camera features including 3D LUTs for both recording and monitoring, HDR output via HDMI, metadata entry, custom presets, extended video format, Bluetooth remote control, external timecode from the audio input, RAW recording and more!



Advanced Connections

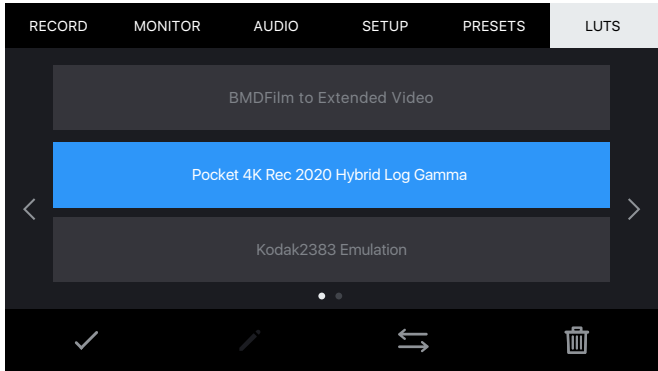
HDMI monitoring, XLR audio input, power and more!

Even though it’s small and portable, the Blackmagic Pocket Cinema Camera 4K has a full size HDMI connector built in! You get support for advanced features such as HDR output and a clean 10-bit output with on screen overlays showing full camera status, making it perfect for on set monitoring. There’s also an XLR connection with 48 volts of phantom power for attaching professional microphones, a 3.5 mm video camera style microphone input and a professional locking DC power connector!

Built in 3D LUTs

Load and apply LUTs to any output or record them for your own unique looks!

3D color lookup tables (LUTs) are used to adjust the color of the output so the director or cinematographer can see a certain “look” as they’re shooting. LUTs are extremely useful when shooting RAW or when using “film” dynamic range, both of which generally look flat when they’re shot. By using LUTs, the director and cinematographer can get a better idea of what the footage will look like after it has been color corrected in post production with software such as DaVinci Resolve. Blackmagic Pocket Cinema Camera 4K can apply 3D LUTs independently to the LCD touchscreen or the HDMI allowing them to be used for high end feature film work. Blackmagic Pocket Cinema Camera 4K allows you to store up to 10 custom 3D LUTs in the camera. You can even bake the 3D LUT into your footage and record it with your unique look applied!



Advanced Digital Slate

Add metadata faster than ever before!

Blackmagic Pocket Cinema Camera 4K features a digital “slate” and metadata features that make it extremely fast to add metadata to any shot! Simply swipe left or right to bring up the digital slate. You get intelligent predictive entry suggestions that can be added as metadata tags with a simple tap! Plus, if you start and stop recording, it automatically increments the take number so you don’t have to enter them manually for each shot! You can also increment your reel numbers each time you format a card. In addition, lens metadata is automatically detected from electronic lenses, or it can be entered manually, along with production specific information, technical information and much more! All of this metadata is saved with the files and available in post production when editing and color correcting with software such as DaVinci Resolve!

MFT Lens Mount

Compatible with your current lenses!

The Blackmagic Pocket Cinema Camera 4K uses the same MFT (Micro Four Thirds) lens mount as the original Pocket Cinema Camera so you can use the lenses you already have! The MFT lens mount was designed specifically for smaller camera bodies with shorter flange focal distance. This means you can get high quality professional lenses that are much smaller than ever before! The MFT mount is extremely flexible and allows for different lens adapters. You can get adapters for PL, C, EF and more, so you can use lenses from manufacturers such as Canon, Nikon, Pentax, Leica and even Panavision!



Designed to be Hand Held

Multi function controls at your fingertips!

The Blackmagic Pocket Cinema Camera 4K features a familiar and comfortable design that's specifically designed for shooting video so you get controls that go far beyond those found on traditional DSLR cameras. The multi function grip, which has buttons and dials placed logically for finger tip control, allows super fast access to all essential shooting functions. You get controls for recording start/stop, still photos, dual native ISO, shutter, aperture, white balance, function buttons, power on/off and more. If you've ever shot with a DSLR, the Blackmagic Pocket Cinema Camera 4K will feel very familiar, but the images will look far better!

Carbon Fiber Body

Carbon fiber reinforced body for extra durability!

Designed using a space age carbon fiber polycarbonate composite, the body of the Blackmagic Pocket Cinema Camera 4K is extremely strong and light. The carbon composite material consists of a high strength polymer that's reinforced with carbon fibers. This makes the camera body incredibly light giving it the strength and rigidity to protect it from bangs, drops and accidental breakage. That means you'll be able to take the Blackmagic Pocket Cinema Camera 4K virtually anywhere and have the confidence to know that you'll be able to get your shots, even under the most harsh shooting conditions!



Professional Audio

Four built in microphones and an XLR input!

The Blackmagic Pocket Cinema Camera 4K gives you professional high fidelity audio recording so you don't have to carry around a separate sound recorder! The camera features a mini XLR input with 48 volts of phantom power for connecting professional microphones such as lapel mics and booms. There are also built in microphones with an extremely low noise floor so you can capture great sound on location! There's even a 3.5mm stereo audio jack so you can use different types of video camera microphones.

Flexible Power Options

Battery, DC and USB-C so you can shoot all day long!

The Blackmagic Pocket Cinema Camera 4K uses standard removable LP-E6 type batteries. You also get a locking DC power connector so it can't be accidentally disconnected in the middle of a shoot. The included 100 - 240 volt plug pack can be used to simultaneously power the camera and charge the LP-E6 battery. Plus, it includes international socket adapters so it can be used anywhere in the world! The USB-C Expansion Port accepts power so you can charge the battery from portable battery packs, a mobile phone charger or even your laptop computer! The Blackmagic Pocket Cinema Camera 4K gives you a wide range of flexible power options so you can shoot all day!



Technical Specifications

	Blackmagic Pocket Cinema Camera 4K	Blackmagic URSA Mini 4K	Blackmagic URSA Mini Pro
Effective Sensor Size	18.96mm x 10mm (Four Thirds)	22mm x 11.88mm (Super35)	25.34mm x 14.25mm (Super35)
Lens Mount	Active MFT mount	EF mount	EF mount included. Interchangeable with optional PL, B4 and F lens mounts
Lens Control	Iris, focus and zoom on supported lenses	Electronic control via EF mount pins	Electronic control via EF mount pins or 12-pin broadcast connector for compatible lenses
Dynamic Range	13 Stops	12 Stops	15 Stops
Total Video Inputs	None	1 x SDI	1 x SDI
Total Video Outputs	1 x HDMI Type A	1 x SDI, 1 x SDI Monitoring	1 x SDI, 1 x SDI Monitoring
SDI Rates	None	1.5G, 3G, 6G, 12G	1.5G, 3G, 6G, 12G
Analog Audio Inputs	1 x mini XLR analog switchable between mic and line levels. Phantom power support. 1 x 3.5mm Stereo Input	2 x XLR analog switchable between mic and line levels. Phantom power support	2 x XLR analog switchable between mic, line and AES audio. Phantom power support
Analog Audio Outputs	1 x 3.5mm headphone jack	1 x 3.5mm headphone jack, supports iPhone microphone for talkback	1 x 3.5mm headphone jack, supports iPhone microphone for talkback
Microphone	Integrated stereo microphone	Integrated stereo microphone	Integrated stereo microphone
Built in Speaker	Mono	Mono	Mono
Reference Input	None	Tri-Sync/Black Burst/Timecode	Tri-Sync/Black Burst/Timecode
Screen Dimensions	5" 1920 x 1080	5" 1920 x 1080	4"
SD Video Standards	None	None	None
HD Video Standards	1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60	1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60	1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60
Ultra HD Video Standards	2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60	2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60	2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60
Media	1 x CFast 2.0 and 1 x SD UHS-II for CinemaDNG Raw and ProRes Recording	2 x CFast 2.0 for HD and Ultra HD recording	2 x CFast 2.0 for 4.6K RAW and ProRes recording. 2 x SD UHS-II card slots for HD and Ultra HD recording
Media Format	Can format cards to ExFAT (Windows/Mac) or HFS+ (Mac) file systems	Can format cards to ExFAT (Windows/Mac) or HFS+ (Mac) file systems	Can format cards to ExFAT (Windows/Mac) or HFS+ (Mac) file systems
Codecs	CinemaDNG RAW, CinemaDNG RAW 3:1, CinemaDNG RAW 4:1, ProRes 422 HQ QuickTime, ProRes 422 QuickTime, ProRes 422 LT QuickTime and ProRes 422 Proxy QuickTime	CinemaDNG RAW, CinemaDNG RAW 3:1, Apple ProRes 4444 XQ QuickTime, ProRes 4444 QuickTime, ProRes 422 HQ QuickTime, ProRes 422 QuickTime, ProRes 422 LT QuickTime and ProRes 422 Proxy QuickTime	CinemaDNG RAW, CinemaDNG RAW 3:1, CinemaDNG RAW 4:1, Apple ProRes 4444 XQ QuickTime, ProRes 4444 QuickTime, ProRes 422 HQ QuickTime, ProRes 422 QuickTime, ProRes 422 LT QuickTime and ProRes 422 Proxy QuickTime
External Control	Bluetooth	Blackmagic SDI Control Protocol. 2 x 2.5mm LANC for lens and record control	Blackmagic SDI Control Protocol. 2 x 2.5mm LANC for lens, record control and Bluetooth
Color Corrector	None	DaVinci YRGB	DaVinci YRGB
Talkback	None	SDI Channels 15 and 16	SDI Channels 15/16 and iPhone headset
Live Tally Indicator	None	Tally on LCD, URSA Viewfinder and URSA Studio Viewfinder	Tally on LCD, URSA Viewfinder and URSA Studio Viewfinder
Power Supply	1 x External 12V power supply.	1 x External 12V power supply. 12-pin Molex connector for rear battery plate.	1 x External 12V power supply. 12-pin Molex connector for rear battery plate.

Learn more at www.blackmagicdesign.com

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