

Blackmagic Design URSA Mini Pro 12K

ProdCode: BMD CINURSPRO12K

High end feature film production camera featuring 12K Super 35mm 80 megapixel sensor

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Features

- High end feature film production camera featuring 12K Super 35mm 80 megapixel sensor
- 12,288 x 6480 12K Super 35 sensor and 14 stops of dynamic range, built into the award winning URSA Mini body
- With 80 megapixels per frame at 60 fps in RAW you can capture perfect stills and motion shots in a single camera at the same time
- Shoot up to 60 fps in 12K 12,288 x 6480 17:9
- Generation 5 Colour Science features a new film curve designed to make full use of the massive amount of colour data from the new 12K sensor
- Ultimate high bandwidth recorder with 3 options for recording 12K, which contains almost 10 times the resolution of Ultra HD
- Dual built in CFast and UHS-II SD card recorders, and a SuperSpeed USB-C expansion port
- Interchangeable Lens Mount
- Built in Precision ND Filters
- USB-C for Direct Recording to External Disks

- The built in 4 inch fold out touchscreen on URSA Mini Pro is a bright, high resolution colour display
- Digital Slate for Fast Metadata Entry
- Wireless Bluetooth Camera Control

Introducing the World's Most Advanced Digital Film Camera

Blackmagic URSA Mini Pro 12K is a revolution in digital film with a 12,288 x 6480 12K Super 35 sensor and 14 stops of dynamic range, built into the award winning URSA Mini body. The combination of 80 megapixels per frame, new colour science and the flexibility of Blackmagic RAW makes working with 12K a reality. Oversampling from 12K gives you the best 8K and 4K images with the subtle skin tones and extraordinary detail of high end still cameras. You can shoot at 60 fps in 12K, 110 fps in 8K and up to 220 fps in 4K Super 16. URSA Mini Pro 12K features an interchangeable PL mount, as well as built in ND filters, dual CFast and UHS-II SD card recorders, a SuperSpeed USB-C expansion port and more. DaVinci Resolve Studio is included for creative control through post from editing to colour, VFX and more.

Cinematic Super 35 12K Sensor

The Blackmagic URSA Mini Pro 12K features a revolutionary new sensor with a native resolution of 12,288 x 6480, which is an incredible 80 megapixels per frame. The Super 35 sensor has a superb 14 stops of dynamic range and a native ISO of 800. The new 12K sensor has equal amounts of red, green and blue pixels and is optimized for images at multiple resolutions. You can shoot 12K at 60 fps or use in-sensor scaling to allow 8K or 4K RAW at up to 110 fps without cropping or changing your field of view. URSA Mini Pro's interchangeable lens mount lets you choose from the widest range of vintage and modern cinema lenses, so you can capture every ounce of character and detail from your favorite optics.

Shoot in 12K, Edit on a Laptop

The URSA Mini Pro 12K sensor and Blackmagic RAW were designed together to make 12 bit RAW workflows in 12K effortless. As an incredibly efficient next generation codec Blackmagic RAW lets you shoot 12K and edit on a laptop, a capability that simply isn't possible with other codecs. The massive resolution of the sensor means you can reframe shots in post for delivery in 8K and 4K. It's like a multi camera shoot with only one camera. And it's perfect for great looking vertical and square video, too. The advanced design of the sensor and Blackmagic RAW means that you can work in any resolution in post production instantly, without rendering, while retaining the full sensor's colour accuracy.

Blackmagic RAW Fueled Image Capture

Only Blackmagic RAW makes cinema quality 12-bit, 80 megapixel images at up to 60 frames a reality. Constant quality Q0 and Q5 options and new Q1 and Q3 lock the quality level, allowing compression to adapt, matching the detail of the scene. Constant bitrate encoding options 5:1, 8:1, 12:1 and the new 18:1 are designed to give you the best possible images with predictable and consistent file size. You can record RAW to two cards simultaneously so you can shoot 12K or 8K to either CFast or UHS-II cards, even at high frame rates. Blackmagic RAW stores camera metadata, lens data, white balance, digital slate information and custom LUTs to ensure consistency of image on set and through post production.

Optimized for Fast Flexible Post Production

Shooting RAW in 12K preserves the deepest control of detail, exposure and colour during post. Oversampling means you get extremely sharp 8K without harsh edges. Best of all, Blackmagic RAW is designed to accelerate 12K for post production, making it as easy to work with as standard HD or Ultra HD files. It is highly optimized, multi-threaded, works across multiple CPU cores and is also GPU accelerated to work with Apple Metal, CUDA and OpenCL. So you can always work with your camera RAW files without having to make proxies. Blackmagic RAW 12K images provide unprecedented resolution and quality for colour, keying, compositing, reframing, stabilization and tracking in 4K or 8K.

Generation 5 Colour Science

Blackmagic Generation 5 Colour Science features a new film curve designed to make full use of the massive amount of colour data from the new URSA Mini Pro 12K sensor. This delivers even better colour response for more pleasing skin tones, and better rendering of highly saturated colours such as neon signs and car tail lights in high contrast scenes. Generation 5 Colour Science informs complex Blackmagic RAW image processing, with colour and dynamic range data from the sensor preserved via metadata for use in post production. Compatible with all previously shot Blackmagic RAW files, Generation 5 Colour Science lets you take advantage of the new film curve even with your existing work.

Full Resolution at Higher Frame Rates

URSA Mini Pro 12K is multiple cameras in one, shooting standard resolutions and frame rates in 4K, 8K and even insanely detailed 12K. With a massive 80 megapixels per frame at 60 fps in RAW you can capture perfect stills and motion shots in a single camera at the same time. You can shoot up to 60 fps in 12K 12,288 x 6480 17:9. For higher frame rates, you can shoot 110 fps at 8192 x 4320, 140 fps at 8192 x 3408 and even window the sensor to Super 16 to capture 4K at an incredible 220 fps at 4096 x

2160 DCI. URSA Mini Pro 12K has flexible frame rate and resolution options, and captures with improved motion rendering which means that you get smoother edges in 8K and 4K even at lower frame rates.

High Band Width Recording

URSA Mini Pro is the ultimate high bandwidth recorder with 3 options for recording 12K, which contains almost 10 times the resolution of Ultra HD. You get dual built in CFast and UHS-II SD card recorders, and a SuperSpeed USB-C expansion port for recording to fast SATA and NVMe drives. With "Record RAW on 2 Cards" turned on, URSA Mini Pro 12K can record simultaneously across two cards up to an incredible 900MB/s to 2 CFast cards, or an impressive 500MB/s to 2 UHS-II SD cards. The SuperSpeed USB-C expansion port on the rear can record to USB-C flash storage up to 900MB/s as a third recording option so you won't be short of choices for capturing stunning 12K up to 60 fps or 8K up to 110 fps.

Easy to Use Blackmagic OS

With advanced Blackmagic OS, you get an intuitive and user friendly camera operating system based on the latest technology. Blackmagic OS is a true modern operating system where all camera features run independently for smoother control, plus the camera powers on virtually instantly. URSA Mini Pro features the same controls and menus as other Blackmagic Design cameras so you can move between cameras on set easily. The interface uses simple tap and swipe gestures to adjust settings, add metadata and view recording status. You also get full control over advanced camera features such as on screen focus and exposure tools, 3D LUTs, HDR, metadata entry, timecode, Blackmagic RAW settings and more.

Revolutionary Lightweight, Portable Design

URSA Mini Pro is designed to include everything you need in a portable camera so you can take it anywhere. The evenly weighted camera body is made from lightweight, robust magnesium alloy. Buttons, switches and dials are laid out in a logical order that makes them easy to find by feel while using the viewfinder. An external backlit LCD status display lets you view critical information. Plus there's a 4" fold out touchscreen for reviewing shots and accessing the menu settings. You get connections such as 12G-SDI in and out, USB-C, 48 volt phantom power XLR audio, timecode and reference in. The optional Blackmagic Shoulder Mount Kit lets you go from tripod to handheld in seconds.

Interchangeable Lens Mounts

Different projects require different lenses which is why URSA Mini Pro features an

interchangeable lens mount. You can quickly switch between PL, EF and F mount lenses on the URSA Mini Pro 12K, as well as B4 lenses on the URSA Mini Pro 4.6K G2. That means you can work with high quality large PL cinema lenses, EF or F mount photographic lenses, and even B4 broadcast lenses, making URSA Mini Pro compatible with the widest possible range of professional lenses. Additional PL, EF, F and B4 lens mounts can be purchased separately. With URSA Mini Pro, you get a single camera that works with virtually all professional lenses so you have the freedom to choose the lens you need for any kind of work.

Built in Precision ND Filters

URSA Mini Pro features high quality ND filters that let you quickly reduce the amount of light entering the camera. Designed to match the colourimetry and colour science of the camera, the 2, 4 and 6 stop filters provide you with additional latitude even under harsh lighting. The IR filters have been designed to filter both optical wavelengths and IR wavelengths evenly to eliminate IR contamination of the images from which many ND filters can suffer. URSA Mini Pro ND filters are true optical filters with a precision mechanism that quickly moves them into place when the ND filter dial is turned. Filter settings can even be displayed as either an ND number, stop reduction or fraction on the LCD.

USB-C for Direct Recording to External Disks

Blackmagic URSA Mini Pro 12K model has a USB-C 3.1 Gen 2 for a blistering 10 Gb/s. You can connect and power external flash disks and SSDs or you can connect the new URSA Mini Recorder for recording to fast NVMe SSD drives for longer recording times. NVMe SSD drives are ideal for shooting 12K in the highest constant quality 12-bit Blackmagic RAW in the Q0 setting or for high frame rates. When shooting is complete you can simply move the external disk to your computer and start editing from the same disk, eliminating file copying.

High Resolution Monitoring and Camera Control

The built in 4 inch fold out touchscreen on URSA Mini Pro is a bright, high resolution colour display with a wide viewing angle that makes it perfect for monitoring and reviewing shots on set. The screen can also show you a "heads up display" overlay with critical information such as format, frame rate, iris, timecode, shutter angle, white balance, ISO and more. Plus you get a histogram, card recording status indicators and audio meters. You can show or hide the heads up display by simply swiping up or down. The fold out touchscreen also lets you use the incredible Blackmagic operating software so you get super fast access to every camera function, digital slate for metadata management and more.

Digital Slate for Fast Metadata Entry

URSA Mini Pro features a digital slate so you can quickly add metadata to any shot. Simply swipe left or right on the built in touchscreen to bring up the digital slate. If you start and stop recording the slate can automatically increment the take numbers so you don't have to enter them manually for each shot. You can also set your reel numbers to increment automatically each time you format a card. Lens metadata is automatically populated or it can be entered manually, along with production specific information, technical information and more. All of the metadata is saved with the files for use in post production when editing and colour correcting with software such as DaVinci Resolve.

Full Size, Durable Connections that Work with Standard Cables

URSA Mini Pro features multiple connections such as 12G-SDI out, LANC, balanced XLR audio with 48 volt phantom power, timecode in, reference input and a headphone connection. There's also a 4 pin XLR DC output for powering accessories such as a viewfinder, and an HD-SDI output for monitoring. That means you can connect an SDI display for on set monitoring of images, with or without overlays that show critical information and camera status. There is also a 12 pin Hi-rose connector for controlling servo zoom lenses. URSA Mini Pro 4.6K G2 and URSA Mini Pro 12K both include a USB-C expansion port for recording to external disks, which on the 12K model is conveniently located on the rear of the camera.

Wireless Bluetooth Camera Control

If you're positioning the camera on the end of a jib or gimbal, you can get full control via Bluetooth from up to 30 feet away. You can download the Blackmagic Camera Control app for your iPad or use third party apps such as Bluetooth+ or trigger on your iOS and Android devices. There's even a free developer SDK with sample code available from the Blackmagic Design developer website, so you can create your own remote camera control and digital slate solutions. Imagine building an app that can jam sync timecode and trigger all cameras to record at the same time. The possibilities are endless.

Includes DaVinci Resolve Studio

URSA Mini Pro includes a full version of DaVinci Resolve Studio. You get the world's most advanced solution that combines professional editing, colour 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, music

videos, commercials or even the latest YouTube shoot, DaVinci Resolve Studio gives you a completely lossless workflow for native editing, colour correction, effects, audio and delivery.

Compatible with Industry Standard Batteries and Power

URSA Mini Pro includes a 4-pin XLR industry standard power connector that works with 12V to 18V external power supplies. That means it's easy to use the camera with all of your existing power supplies and batteries. URSA Mini Pro cameras use the same battery power connector and mounting points on the rear of the camera so you can use a wide range of battery plates from manufacturers such as IDX, Blueshape, Anton Bauer and more. You can also add the optional Blackmagic URSA VLock Battery Plate or Blackmagic URSA Gold Battery Plate for using popular V-Mount and Gold Mount batteries.

In the box:

- Blackmagic URSA Mini Pro 12K Body
 - Turret dust cap
 - PL lens mount
 - Power supply
 - DaVinci Resolve Studio activation key
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