



Blackmagic Design URSA Cine 12K

ProdCode: BMDCURSAA12KLF

Digital film camera with large format RGBW 36 x 24mm sensor with larger photo-sites for 16 stops of dynamic range - without EVF

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Features

- Digital film camera with large format RGBW 36 x 24mm sensor with larger photo-sites for 16 stops of dynamic range
- Includes interchangeable lens mounts
- A dedicated assist station with a second 5" HDR LCD touchscreen
- Built-in ND filters and industry-standard Lemo and Fischer connections
- Built-in 8TB of removable high-performance media storage
- Includes high-speed 10G Ethernet and Wifi for fast media upload and syncing to Blackmagic Cloud

Introducing the World's Most Advanced Digital Film Camera

Blackmagic URSA Cine is a revolutionary digital film camera that introduces new advanced digital film technology combined with total integration into the post-production workflow. That means it's the first digital film camera with fast high capability storage built in, plus high-speed networking for on set media sync. Blackmagic URSA Cine also introduces a new large format RGBW 36 x 24mm image sensor with larger photo sites for incredible dynamic range. You can also swap between PL, LPL, EF and Hasselblad lens mounts. There's even WiFi with SRT streaming for remote client viewing. Plus the industry standard Lemo and Fischer connections make it perfect for high-end cinema production.

Cinematic Large Format Sensor

URSA Cine features a revolutionary new sensor designed for incredible quality images at all resolutions from 4K to a massive 12K! The larger sensor builds on the technology of URSA Mini Pro 12K with larger photo-sites leading to an astounding 16 stops of dynamic range. The unique RGBW architecture provides equal amounts of red, green and blue pixels. This means it is optimized to deliver incredibly rich colours at all resolutions and provide the ultimate image quality and flexibility. Now you can capture more detail with a wider dynamic range than ever before! Plus, in sensor scaling means you can record at all resolutions without cropping!

A Camera Body Optimized for High-End Productions

URSA Cine is designed to meet the demands of any high-end production. The evenly weighted camera body is built with a robust magnesium alloy chassis and lightweight carbon fiber polycarbonate composite skin to help you move quickly on set. Soft touch backlit buttons make controls easy to see in all conditions. There's a 5" fold out touchscreen for reviewing shots and accessing camera settings, plus a dedicated assist station on the other side of the camera, with 5" LCD and full camera controls! Standard Lemo and Fischer connectors let you control the camera remotely while providing power for lens motors and other accessories. You also get 12G-SDI out, 10G Ethernet, USB-C, XLR audio and more!

Large Format Flexibility

The large format sensor in URSA Cine provides the ultimate flexibility for aspect ratios, lenses and delivery formats! The full sensor area gives you a stunning 3:2 open gate image which lets you reframe your shots in post-production. Or you can

use the large sensor area to shoot anamorphic and deliver in a range of aspect ratios with 1.3, 1.5, 1.6, 1.66, 1.8 and 2x de-squeeze factors. Plus, you can shoot in 4K, 8K or 12K using the entire sensor without cropping, retaining the full field of view of your lenses. There are even 9K Super 35 4-perf, 3-perf and 2-perf modes for full compatibility with classic cinema lenses. All this lets you create distinctive content in the highest quality!

Interchangeable Lens Mounts

Different projects require different lenses which is why URSA Cine features an interchangeable lens mount. You can quickly switch between PL, LPL, EF and Hasselblad mounts. That means you can work with PL or LPL cinema lenses, EF or large format Hasselblad photographic lenses, making URSA Cine compatible with the widest possible range of professional lenses. Imagine using modern high-speed lenses for sharp, precise images on one shoot and then shooting a period drama with vintage photographic lenses next! Plus, each mount has contact pins to read lens metadata for monitoring and use in post-production. With URSA Cine, you have the freedom to choose the lens you need for any kind of work!

High Resolution Monitoring and Camera Control

URSA Cine lets crews work faster on set with multiple monitoring options! The fold out monitor has a large 5" HDR touchscreen on one side and an external colour status LCD on the other. You can even rotate the screen and fold it back into the camera! On the right side of the camera, there's a dedicated assist station with a second 5" HDR touchscreen which allows crew to work around the camera without needing external monitors. Plus, with a 1500 nit display and removable sunshade, it's always visible, even in bright sunlight. On-screen overlays show status and record parameters, histogram, frame guides and more. There's even a dedicated focus puller's mode to help you get perfect focus!

Rugged Industry Standard Connections

The wide range of industry-standard connections on URSA Cine makes it perfect for high-end cinema production. The 7-pin Lemo and 3-pin Fischer connectors at the front provide record start/stop and 24V power so are ideal for onboard accessories such as focus motors. Camera power is provided by a standard 24V 8-pin Lemo connection, plus there's an additional 2-pin Lemo 12V connection at the rear for lower voltage accessories. All this means you can power accessories straight from the camera without messy external cabling! There are also two independent 12G-SDI outputs for monitoring on 2 different monitors with different overlays, plus 10G Ethernet for Blackmagic Cloud media syncing!

Blackmagic RAW Fueled Image Capture

Blackmagic RAW is a revolutionary format designed to capture and preserve the quality of the sensor data from your camera. Blackmagic RAW files store camera metadata, lens data, white balance, digital slate information and custom LUTs to ensure consistency of image on set and through post-production. Constant quality options lock the quality level, allowing compression to adapt, matching the detail of the scene. Constant bitrate encoding options are designed to give you the best possible images with predictable and consistent file sizes. URSA Cine records to the included Blackmagic Media Module 8TB, allowing you to capture over 4 hours of Blackmagic RAW in 12K or a massive 20 hours in 4K!

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 Cine 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!

Built in Optical Low Pass Filter

The high frequencies of synthetic materials like fabrics or the LED matrix in video walls can cause problems for ultra sharp modern lenses and high-resolution sensors, creating interference patterns. Using an optical low pass filter minimizes that interference, which results in a reduction of moire and aliasing. URSA Cine includes a high-performance, optical low pass filter that is precisely matched to the sensor. The OLPF also incorporates updated IR filtering that improves far red colour response which, when combined with Blackmagic RAW processing for the URSA Cine, preserves colour and critical image detail for new levels of image fidelity.

Built-in Colour Balanced ND Filters

URSA Cine 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 Cine 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!

Full Frame Capture at Higher Frame Rates

URSA Cine is multiple cameras in one, shooting standard resolutions and frame rates in 4K, 8K, Super 35 9K and even insanely detailed 12K! You can shoot 100 fps in 12K 12,288 x 6480 17:9 or 120 fps in 12K 2.4:1 widescreen! For higher frame rates, you can shoot 144 fps at 8192 x 5360, 180 fps at 8192 x 3408 and even capture 8K 2.4:1 widescreen at an incredible 224 fps at 8,192 x 3,408! URSA Cine has flexible frame rate and resolution options and captures with incredible motion rendering with smoother edges in 8K and 4K, even at lower frame rates. Plus, with a massive 100 megapixels per frame at up to 80 fps in Blackmagic RAW, you can capture perfect stills and motion shots at the same time!

High-Performance Internal Media for Recording

URSA Cine is the first digital film camera with ultra-fast high capability Cloud Store technology built in. Blackmagic Media Module is fast, rugged and includes a massive 8TB of storage. It's like a Cloud Store Mini built into your camera! The high-speed storage lets you record at the highest resolutions and frame rates for hours and access your files directly over high-speed 10G Ethernet. Or you can use the media you already own with the optional Blackmagic Media Module CF, which has dual CFexpress slots. The module can be easily removed from the camera and loaded into a Blackmagic Media Dock for transferring media to a network or Blackmagic Cloud for instant global collaboration!

Eliminate Media Offload Time

Blackmagic Media Dock accelerates your post-production workflow by making it faster and simpler to start editing and colour correction! Mount up to three Blackmagic Media Modules for high-speed access to media from multiple URSA Cine cameras all at the same time! The four high-speed 10G Ethernet ports allow up to four separate edit workstations to connect directly and it is extremely fast, even when a lot of users are connected at the same time. Plus, the USB-C connection supports Ethernet so you can transfer media using a simple USB-C cable connected to your computer. There is also an HDMI output that lets you see the status of your media in real-time on a TV or monitor.

Deliver Clips Directly into DaVinci Resolve Bins

URSA Cine supports creating a small H.264 proxy file in addition to the camera's

original media when recording. This means the small proxy file can upload to Blackmagic Cloud in seconds so your media is available back at the studio in real-time. The ability to transfer media directly into the DaVinci Resolve media bin as editors are working is revolutionary and has never before been possible! Any editor working anywhere in the world will get the shots! If you have multiple cameras, then the new multi source feature in DaVinci Resolve's Cut page will show each camera angle in a multiview. Blackmagic Cloud is a revolution in global post-production workflows!

Three Simple Steps

- **Record to Internal Storage**

You can record to the internal Blackmagic Media Module. This will allow you to browse the clips and let the camera sync your media files to other users globally.

- **Select and Upload Clips**

If you're offline, then later when you have internet access you can browse media and manually select which clips you want to upload to Blackmagic Cloud.

- **Record into DaVinci Resolve**

Log into Blackmagic Cloud and select a DaVinci Resolve project before recording. After each individual recording, the media will automatically upload and sync to all DaVinci users on that project.

Connect to Mobile Data, High-Speed Wifi or Ethernet!

When live streaming or uploading to Blackmagic Cloud, you can connect and use an Apple or Android phone to get a connection to the internet via mobile data. Simply connect the phone to the USB-C port and URSA Cine will configure for mobile data. Plus it works with the latest high-speed 5G phones, as well as 4G! You can also connect via high-speed wifi or wired Ethernet using the 10G Ethernet port. With live streaming built into the camera, you get the solution you need for clients and post-production to monitor shoots from anywhere in the world! That's a truly global post-production solution that works with Blackmagic Cloud to create amazing teams of creative people all working together.

Live Stream Directly to Your Client

Now you can live stream from film sets! URSA Cine features a built hardware streaming engine that supports RTMP and SRT streaming to major platforms or directly to clients! Simply connect to the internet via Ethernet, high-speed wifi or even connect a 4G or 5G phone for mobile data! As the streaming is built into the camera, you can see the stream status and data rate in the viewfinder and the LCD! If you

want to create a wireless link back to the video village or the studio, then you can stream to a Blackmagic ATEM Streaming Bridge, which is an H.264 decoder that converts the video stream back to video. Now everyone can keep an eye on the shoot, live, while it's happening!

High-Resolution Viewfinder for Accurate Focus

URSA Cine supports the optional Blackmagic URSA Cine EVF to make outdoor and handheld shooting accurate and easy! You get an integrated high quality 1920 x 1080 colour OLED display with built-in proximity sensor, 4 element glass diopter for incredible accuracy with a wide focus adjustment. A built-in digital focus chart ensures you get the perfect viewfinder focus setup. You can also view critical status information such as frame guides. The URSA Cine EVF is extremely easy to connect as it simply mounts to the included viewfinder bracket and connects to the camera using a single USB-C cable. The viewfinder can be positioned in multiple ways and comes with 2 different types of eyecups.

Compatible with Industry Standard Batteries and Power

URSA Cine includes an 8-pin Lemo power connector at the back of the camera that works with 24V and 12V power supplies. That means it's easy to use the camera with existing power supplies, batteries and accessories! The front of the camera includes additional Lemo and Fischer connectors for powering lens motors and other accessories. URSA Cine comes with a massive 250W power supply and B Mount battery plate so you can use a wide range of high-voltage batteries from manufacturers such as IDX, Blueshape, Core SWX, BEBOB and more. You can also add the optional Blackmagic URSA Cine VLock Battery Plate or Blackmagic URSA Cine Gold Battery Plate for using legacy V-Mount and Gold Mount batteries.

Powered by 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 Cine 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!

Digital Slate for Fast Metadata Entry

URSA Cine 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!

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!

Localized in 13 Popular Languages

URSA Cine is designed to be used worldwide and supports 13 different languages! When setting up your camera, you can choose to work in English, German, French, Spanish, Portuguese, Italian, Polish, Russian, Ukrainian, Turkish, Chinese, Japanese or Korean. It's easy to switch to another language so you can share your camera with other crew when travelling to locations worldwide! When you switch languages, all on-screen overlays, setup menus and monitoring information will be displayed in the selected language.

Includes DaVinci Resolve Studio

URSA Cine includes a full version of DaVinci Resolve Studio. You get the world's most advanced solution that combines professional editing, colour correction, audio posts 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.

Comes Ready to Shoot

URSA Cine comes with everything you need to get started on set! Every camera comes in a rugged Pelican case with custom foam cutouts that precisely and securely fit the camera and its accessories. The PL lens mount comes preinstalled on the camera body, plus you get an interchangeable locking EF mount for a strong and secure attachment when using heavier cine lenses. You even get a massive 8TB Media Module preinstalled, formatted and ready to record. That's enough for over 4 hours of stunning 12K! You also get a top handle, antennas for high-speed wifi, baseplate, 24V power supply and high voltage B mount battery plate for quick set up. There's even a kit that comes with the URSA Cine EVF!

In the box:

- Blackmagic URSA Cine 12K Body
- Blackmagic URSA Cine Mount PL (installed)
- Blackmagic URSA Cine Mount EF and screws
- Blackmagic Media Module 8TB
- URSA Cine Handle and bolts
- URSA Cine Top Rod Mount 15
- URSA Cine Baseplate 19
- Plastic folding screen hood for 5" assist station
- URSA Cine Battery Plate B Mount
- WiFi Antennas
- URSA Cine PL Body Cap
- URSA Cine EF Body Cap
- Rubber caps for connectors
- +24V DC 250W power supply
- DaVinci Resolve Studio with activation key
- Welcome wallet with QR code for software download
- Blackmagic Sticker
- Custom foamed Pelican 1510 case

