

# Blackmagic URSA Mini Pro

Blackmagicdesign







Optional B4

Optional PL

Standard EF

#### Interchangeable Lens Mounts

URSA Mini Pro comes with an EF mount and you can purchase optional PL and B4 lens mounts separately.

## Blackmagic URSA Mini Pro

The world's first Super 35 digital film camera with 15 stops of dynamic range and powerful broadcast camera features and controls!

Blackmagic URSA Mini Pro is a professional digital film camera that combines the incredible image quality of URSA Mini 4.6K with the features and controls of a traditional broadcast camera! You get a massive number of ergonomically designed controls on the side of the camera so you can adjust most settings by feel, and without ever having to take your eyes off the action. URSA Mini Pro also features built in ND filters, a status display as well as a revolutionary new

interchangeable lens mount that lets you change between EF photographic lenses or PL and B4 lenses. URSA Mini Pro records up to 60fps and features dual CFast 2.0 recorders as well as dual UHS-II SD Card recorders. URSA Mini Pro is lightweight and comfortable enough to use all day, has controls that are extremely fast to use, and image quality that's far superior to broadcast cameras costing ten times more!



# Revolutionary URSA Mini Pro Design

Big camera features that are fast to use in a lightweight, portable design!

URSA Mini Pro is designed to include everything you need in a handheld camera so you can take it anywhere! Unlike cheap plastic cameras, the evenly weighted camera body is made out of a super tough magnesium alloy. It's a true professional camera with full redundancy on every control, even the power switch! Plus, the tactile controls allow full setting changes without having to take the camera off your shoulder! There's an external high visibility LCD status display so you can see critical shooting information, and a 4" foldout touch screen for reviewing shots so you don't have to carry an extra on-set monitor! You get professional connections such as 12G-SDI, XLR audio, a built in high quality microphone and more. The optional electronic viewfinder and shoulder mount kit lets you go from tripod to handheld shooting in seconds, or you can turn URSA Mini Pro into the ultimate live production camera by adding an URSA Studio Viewfinder!

## Powerful Tactile Controls

Quickly change settings without taking the camera off your shoulder!

Like the world's best broadcast cameras, URSA Mini Pro features powerful tactile control buttons, switches, knobs and dials, giving you direct access to the most important camera settings. The controls are laid out in a logical order that makes them easy to remember, so you'll be able to adjust settings, use ND filters, change frame rate and even snap a still photo without having to look at the buttons or take the camera off your shoulder. The external controls are so fast to use, you don't even have to stop shooting! That's what makes URSA Mini Pro both a powerful broadcast and studio camera, as well as a digital film camera!

**XLR Audio Connections**  
Two full size XLR connections with 48V phantom power and high quality, low noise pre-amps.

**Mounting Points**  
Nine standard 1/4" mounting points and side rosette for customizing your camera.

**Multi Function Dial**  
Dial and buttons for adjusting headphones, monitors or iris.

**Professional Microphones**  
Highly directional stereo microphones built in with wind suppression.

**Precision ND Filters**  
Built in 2, 4, and 6 stop neutral density filters with flat optical response for better IR handling and color precision.

**Interchangeable Lens Mount**  
EF mount included and you can change to PL or B4 lens mounts if required. Available separately.

**ISO, Shutter and White Balance**  
Instantly change critical lens and camera settings while shooting.

**Auto White Balance**  
White balance button for automatically setting custom white balance from a grey card.

**Power Switch**  
External power switch plus camera includes an alternative power button inside screen.

**External Speaker**  
Speaker with switch for monitoring audio, positioned at ear level.

**Button Locks**  
Locks external control buttons to avoid accidental changes.

**High Visibility Status Display**  
See critical shooting information and status, even in bright direct sunlight. Includes backlight.

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

**Audio Gain Controls**  
Knobs for quickly adjusting record audio gains on channels 1/2 or 3/4.

**Lens and Transport Control**  
Auto focus and iris lenses, manually open and close the iris and control playback.

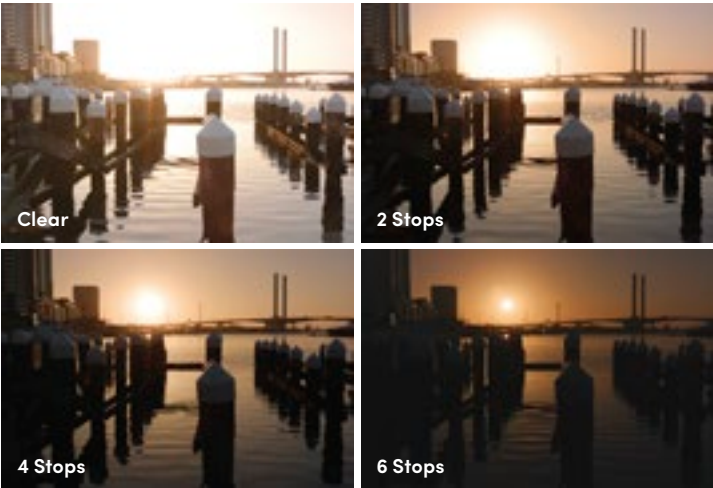
**High Frame Rate Button**  
Enable the high frame rate mode to catch unexpected action in slow motion!

**Record Button**  
Perfectly positioned record start/stop button.

## Built in ND Filters

High quality neutral density filters with IR compensation!

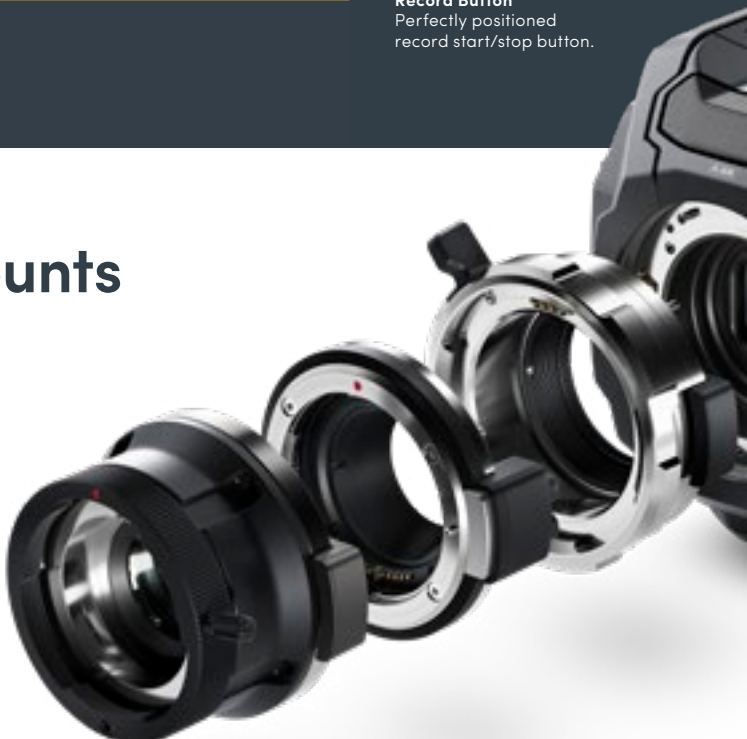
URSA Mini Pro features high quality neutral density (ND) filters that let you quickly reduce the amount of light entering the camera. The 2, 4 and 6 stop filters have been specifically designed to match the colorimetry and color science of URSA Mini Pro, providing you with additional latitude, even under harsh lighting conditions. This lets you use different combinations of aperture and shutter angle to achieve shallower depth of field, or specific levels of motion blur, in a wider range of situations. The IR filters have been designed to filter both optical wave lengths and IR wave lengths evenly to eliminate IR contamination of the images from which most ND filters can suffer.



## Interchangeable Lens Mounts

Compatible with EF, PL and B4 lenses!

Different projects require different lenses, which is why URSA Mini Pro features a new interchangeable lens mount! Imagine shooting regular work using a photography lens but then being able to change to a PL mount cinema lens if you get a high end film job. URSA Mini Pro makes that easy because you can quickly switch between EF, PL and B4 lenses, making it compatible with the widest possible range of professional lenses. That means you can work with high quality EF photographic lenses, large PL cinema lenses, and even B4 broadcast lenses, all with the same camera! URSA Mini Pro comes with an EF mount and you can purchase optional PL and B4 lens mounts separately. With URSA Mini Pro, you get a single camera that works with virtually all professional lenses so you can choose precisely the lens you need!







## Cinematic 4.6K Sensor

Capture incredible digital film images with 15 stops of dynamic range!

URSA Mini Pro operates at a higher resolution and dynamic range that goes well beyond traditional motion picture film. You get a 4.6K image sensor that captures up to 4608 x 2592 pixels, which is bigger than full DCI 4K! The sensor features a massive 15 stops of dynamic range, making it perfect for high dynamic range (HDR) projects. The built in active refrigeration ensures maximum dynamic range and low noise so you get incredibly clean pictures with amazing detail in both the dark shadows and bright highlight areas.

## Advanced Colorimetry

Super wide color gamut and precision color science!

URSA Mini Pro features an incredibly wide color gamut that captures more of the visible color spectrum than Rec. 2020, which is vastly larger than the P3 digital cinema color space! Third generation Blackmagic Design color science is used to process the raw sensor data, enabling amazingly rich skin tones, natural color response and enormous amounts of dynamic range. Whether you're shooting a Hollywood blockbuster, an indie film, high end commercial, or a broadcast television show, URSA Mini Pro's combination of resolution, dynamic range and color gamut delivers amazingly rich and lifelike images!

## Includes DaVinci Resolve Studio

Professional editing and advanced color grading included!

All URSA Mini Cameras include a full version of DaVinci Resolve Studio. DaVinci Resolve Studio is editing and color correction software that features an advanced, multi layer timeline with powerful editing and trimming tools, along with Hollywood's most advanced creative color correction and grading tools! With URSA Mini Pro and DaVinci Resolve, you get a complete post production solution so you'll be able to shoot amazing images with incredible fidelity, color and dynamic range while retaining every bit of quality. Whether you're working on a major feature film or a YouTube video, DaVinci Resolve Studio gives you a completely professional workflow.





# Built in Monitoring

Fold out touchscreen for monitoring and camera control!

The built in 4" fold out touchscreen on URSA Mini Pro and the 5" fold out touchscreen on URSA Mini are super bright, high resolution color displays with a wide viewing angle that makes them 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, timecode,

ISO and more. You even get a histogram, card recording status indicators and audio meters! The fold out touchscreen lets you use the incredible new URSA Mini operating software so you get super fast access to every camera function, ATEM broadcast switcher integration features for live broadcast, digital slate for metadata management and more!



Viewfinder, lens and accessories shown can be purchased separately.

# Advanced URSA Mini Software

The world’s most intuitive and fastest professional digital film camera!

URSA Mini features advanced new software that is designed to make using your camera super fast and more intuitive than ever! All important camera functions can be accessed with a single tap on the new heads up display, there’s an elegant new digital “slate” that makes metadata entry a breeze, and a dashboard that uses simple tap and swipe gestures for

record settings, monitoring, audio, camera setup, presets and LUTs. It’s an entirely new operating system for your camera in which each camera feature runs as a separate high performance app. That means you get greater stability than other simple camera software! Best of all, we’ll be able to add even more great new features in the future!

# Advanced Digital Slate

Add metadata faster than ever before!

URSA Mini features a new digital “slate” and incredible 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, URSA Mini automatically increments take number so you don’t have to enter them manually for each shot. It will 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!



# Non Stop Recording

Works with both CFast and SD card media!

URSA Mini Pro features both dual CFast 2.0 recorders and dual UHS-II SD card recorders so you can choose the media that works best for you. CFast cards are ideal for full resolution RAW recording, while SD and UHS-II cards are inexpensive and commonly available, making them perfect for recording ProRes Ultra HD files or RAW HD files. Simply choose the media type, insert the cards and start shooting! With dual slots for each media type, you never have to stop recording because when the first card is full, it automatically continues onto the next card. You can even swap the full card for an empty one, all without having to stop recording! URSA Mini Pro can record lossless 12-bit CinemaDNG RAW files for the highest possible quality, or 10-bit ProRes files for easy post production workflows with minimum storage requirements!





# Highly Customizable

Flexible enough to be rigged for any production!

Blackmagic URSA Mini cameras are completely customizable so you can create a rig that's built specifically for your production! You can add accessories like the Blackmagic URSA Viewfinder, URSA Studio Viewfinder and Blackmagic URSA Mini Shoulder Kit, or choose from hundreds of third party accessories. URSA Mini and URSA Mini Pro have 9 standard 1/4" threaded mounting points

on the top and bottom of the camera so you can mount it directly to a tripod as well as add accessories such as rails, sliders, matte boxes, microphones, ring lights, batteries and more. Whether you're building a feature film rig or outfitting the camera for an ENG style shoot, URSA Mini has all of the mount points and connections you need!



## Blackmagic URSA Studio Viewfinder

Turn URSA Mini into a true professional studio camera!

The URSA Studio Viewfinder is a true professional viewfinder for URSA Mini Pro and URSA Mini. You get a bright 7" screen with large handles and variable tension pivot points that let you smoothly adjust the viewfinder's position and angle, even while you're live on air. The tactile knobs and buttons give you direct control of settings so you can keep your eye on the action! Combined with the new software update for URSA Mini, the URSA Studio Viewfinder turns your URSA Mini into the ultimate live production camera! You get support for talkback, tally, and program return, along with remote control of focus, iris, color balance and more, all from your ATEM Switcher!



## High Resolution Viewfinder

Full HD display and glass optics makes precise focus easy!

The optional Blackmagic URSA Viewfinder is designed to be the perfect match for URSA Mini cameras with the URSA Mini Shoulder Kit. You get a high resolution 1920 x 1080 color OLED display matched with precision glass optics, adjustable diopter and built in digital focus chart so you get perfect focus every time. To preserve OLED screen life, there's a built in sensor so the OLED only turns on when you're looking through the viewfinder. The Blackmagic URSA Viewfinder is adjustable so it can be used on both the left or the right eye. There's even a built in record light!



# Technical Specifications

	Blackmagic URSA Mini Pro	Blackmagic URSA Mini 4.6K	Blackmagic URSA Mini 4K
Effective Sensor Size	25.34mm x 14.25mm (Super35)	25.34mm x 14.25mm (Super35)	22mm x 11.88mm (Super35)
Lens Mount	EF mount included. Interchangeable with optional PL and B4 lens mounts	EF or PL models. PL upgradeable to B4	EF mount
Lens Control	Electronic control via EF mount pins or 12-pin broadcast connector for compatible lenses	PL via lens control connector	EF via mount pins
Dynamic Range	15 Stops	15 Stops	12 Stops
Total Video Inputs	1 x SDI	1 x SDI	1 x SDI
Total Video Outputs	1 x SDI, 1 x SDI Monitoring	1 x SDI, 1 x SDI Monitoring	1 x SDI, 1 x SDI Monitoring
SDI Rates	1.5G, 3G, 6G, 12G	1.5G, 3G, 6G, 12G	1.5G, 3G, 6G, 12G
Analog Audio Inputs	2 x XLR analog switchable between mic, line and AES audio. Phantom power support	2 x XLR analog switchable between mic and line levels. Phantom power support	2 x XLR analog switchable between mic and line levels. Phantom power support
Analog Audio Outputs	1 x 3.5mm headphone jack, supports iPhone microphone for talkback	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	Tri-Sync/Black Burst/Timecode	Tri-Sync/Black Burst/Timecode	Tri-Sync/Black Burst/Timecode
Screen Dimensions	4"	5" 1920 x 1080	5" 1920 x 1080
SD Video Standards	None	None	None
HD Video Standards	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	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	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	2 x CFast 2.0 for HD and Ultra HD recording	2 x CFast 2.0 for HD and Ultra HD recording
Media Format	Can format discs to ExFAT (Windows/Mac) or HFS+ (Mac) file systems	Can format discs to ExFAT (Windows/Mac) or HFS+ (Mac) file systems	Can format discs to ExFAT (Windows/Mac) or HFS+ (Mac) file systems
Codecs	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	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	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
External Control	Blackmagic SDI Control Protocol. 2 x 2.5mm LANC for lens, record control and 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 and record control
Color Corrector	DaVinci YRGB	DaVinci YRGB	DaVinci YRGB
Talkback	SDI Channels 15/16 and iPhone headset	SDI Channels 15 and 16	SDI Channels 15 and 16
Live Tally Indicator	Tally on LCD, URSA Viewfinder and URSA Studio Viewfinder	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. 12-pin Molex connector on rear battery plate.	1 x External 12V power supply. 12-pin Molex connector on rear battery plate.	1 x External 12V power supply. 12-pin Molex connector on rear battery plate.

Learn more at [www.blackmagicdesign.com](http://www.blackmagicdesign.com)

© Blackmagic Design Pty. Ltd. 2018. All Rights Reserved. All trademarks are properties of their respective owners.  
All prices and specifications are subject to change without notice.