

Blackmagic URSA Mini Pro



URSA Mini Pro is a professional digital film camera that combines incredible 4.6K image quality with the features and controls of a traditional broadcast camera! You get a Super 35mm 4.6K sensor with 15 stops of dynamic range that's perfect for feature films and can also be instantly switched to traditional video mode for regular video work. Also included are built in ND filters, user changeable lens mount, plus RAW and ProRes format recording to dual media CFast or SD cards. URSA Mini Pro is a perfectly balanced, compact body that's comfortable enough to be used all day!

\$5,995

Camera Features

Effective Sensor Size

25.34mm x 14.25mm (Super35)

Lens Mount

EF mount included. Interchangeable with optional PL, B4 and F lens mounts.

Lens Control

Electronic control via EF mount pins or 12pin broadcast connector for compatible lenses

Dynamic Range

15 Stops.

Shooting Resolutions

4608 x 2592, 4608 x 1920 (4.6K 2.40:1), 4096 x 2304 (4K 16:9), 4096 x 2160 (4K DCI), 3840 x 2160 (Ultra HD), 3072 x 2560 (3K Anamorphic), 2048 x 1152 (2K 16:9), 2048x1080 (2K DCI), 1920 x 1080

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 60p in 4.6K, 120p in 2K windowed.

Built in ND Filters

Four position ND filter wheel with clear, 2-stop, 4-stop and 6-stop ND filters.

Focus

Focus button turns on peaking, 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 so no pixel is clipped in film mode. Scene average auto exposure in video mode.

Screen Dimensions

4 inch

Screen Type

LCD capacitive touchscreen.

Metadata Support

Automatically populated lens data from electronic EF, B4 and i/Technology compatible PL lenses. Automatic recording of camera settings and slate data such as project, scene number, take and special notes.

Controls

Touchscreen menus on 4 inch screen. Push buttons for other controls. 2 assignable shortcut keys.

Timecode Clock

Highly accurate timecode clock. Less than 1 frame drift every 8 hours.

Connections

Total Video Inputs

1 x SDI

Total Video Outputs

1 x SDI, 1 x SDI Monitoring.

SDI Rates

1.5G, 3G, 6G, 12G.

Analog Audio Inputs

2 x XLR analog switchable between mic, line and AES audio. Phantom power support.

Analog Audio Outputs

1 x 3.5mm headphone jack, supports iPhone microphone for talkback.

Reference Inputs

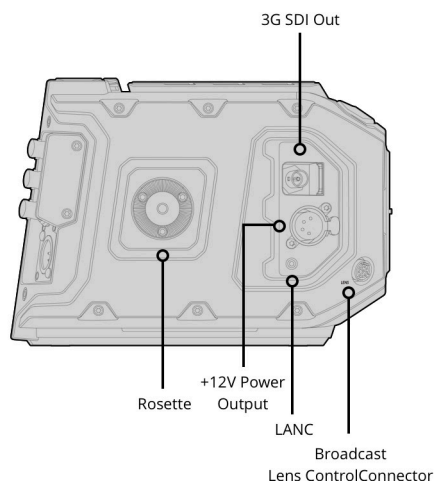
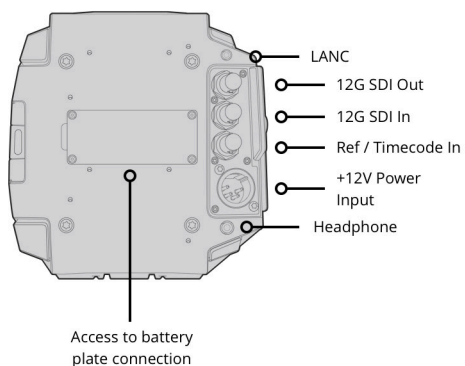
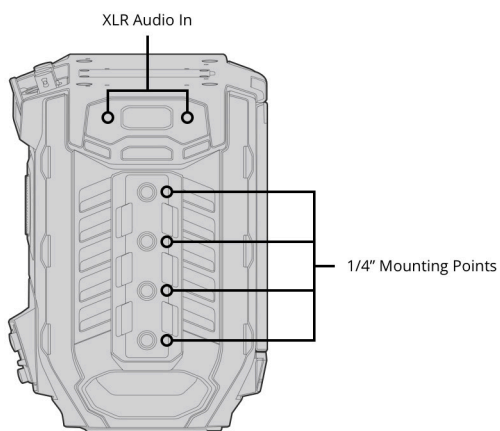
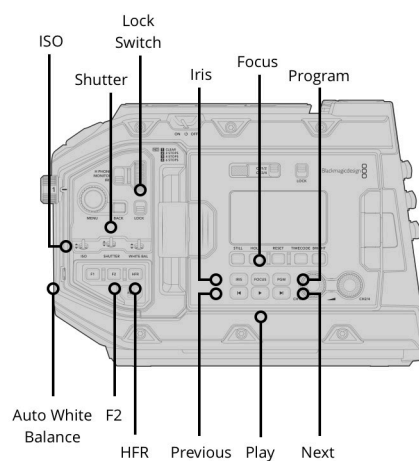
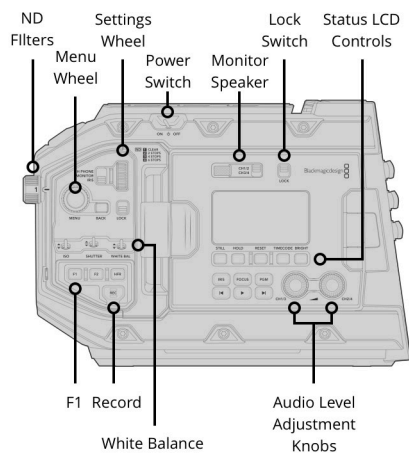
Tri-Sync/Black Burst/Timecode.

Remote Control

2 x 2.5mm LANC input for Rec Start/Stop, plus Iris and Focus control using compatible lenses.

Computer Interface

USB Type-C for software updates.



Audio

Microphone

Integrated stereo microphone.

Built in Speaker

1 x mono speaker.

Standards

SD Video Standards

None.

HD Video Standards

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

SDI Compliance

SMPTE 292M, SMPTE 424 Level B,
SMPTE 2081-1, SMPTE 2082-1

SDI Audio Sampling

48 kHz and 24 bit

Media

Media

2 x CFast for 4.6K RAW and ProRes
recording. 2 x SD UHS-II card slots for
HD and Ultra HD recording.
Please refer to either the Manual or
the Information Note
at [www.blackmagicdesign.com/](http://www.blackmagicdesign.com/support)
support for compatible media.

Media Format

Can format discs to ExFAT (Windows/
Mac) or HFS+ (Mac) file systems.

Supported Codecs

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.

Control

External Control

Blackmagic SDI Control Protocol, iPad control, Bluetooth control, 2 x 2.5mm LANC for lens and record control.

Color Corrector

Color Corrector

DaVinci YRGB.

Talkback and Tally

Talkback

SDI Channels 15/16 and iPhone headset.

Live Tally Indicator

Tally on LCD, URSA Viewfinder and URSA Studio Viewfinder.

Storage Features

Storage Type

2 x CFast 2.0
2 x SD UHS-II cards

Storage Rates

4608 x 2592
CinemaDNG RAW - 513MB/s
CinemaDNG RAW 3:1 - 180 MB/s
CinemaDNG RAW 4:1 - 135 MB/s
3840 x 2160
Apple ProRes 444 XQ - 250 MB/s
Apple ProRes 444 - 165 MB/s
Apple ProRes 422 HQ - 110 MB/s
Apple ProRes 422 - 73.6 MB/s
Apple ProRes 422 LT - 51 MB/s
Apple ProRes Proxy - 22.4 MB/s
1920 x 1080
Apple ProRes 444 XQ - 62.5 MB/s
Apple ProRes 444 - 41.25 MB/s
Apple ProRes 422 HQ - 27.5 MB/s
Apple ProRes 422 - 18.4 MB/s
Apple ProRes 422 LT - 12.75 MB/s
Apple ProRes Proxy - 5.6 MB/s
Storage rates based on 30 frames per second.

Recording Formats

Lossless CinemaDNG RAW, RAW 3:1 and RAW 4:1 with film dynamic range at 4608 x 2592, 4608 x 1920, 4096 x 2304, 4096 x 2160, 3072 x 2560, 2048 x 1152, 2048 x 1080 and 1920 x 1080.
Apple ProRes 4608 x 2592, 4608 x 1920, 4096 x 2304, 4096 x 2160, 3072 x 2560, 2048 x 1152, 2048 x 1080 and 1920 x 1080 with either film or video dynamic range.

Software

Software Included

URSA Mini Operating System.
DaVinci Resolve Studio grading software including Resolve USB dongle for Mac OS X and Windows.
Blackmagic Camera Setup.

Operating Systems



Mac OS X 10.11 El Capitan,
macOS 10.12 Sierra or later.



Windows 8.1 or Windows 10.

Power Requirements

Power Supply

1 x External 12V power supply. 12 pin Molex connector on rear battery plate.

External Power Input

1 x 4 pin XLR port for external power or battery use.
1 x 12 pin molex connector on rear battery plate.
Custom V-mount battery plate with D-tap +12V regulated output from camera.

Power

Rear camera mount compatible with industry standard V-mount or gold mount battery plates.

Accessories

Optional Accessories

URSA Mini Pro PL, EF, B4 and F mounts
URSA Mini Shoulder Kit including top handle and extender arm
URSA Viewfinder
URSA Studio Viewfinder
URSA Mini Pro Shim Kit
URSA VLock Battery Plate

Physical Specifications



Environmental Specifications

Operating Temperature

0° to 40°C (32° to 104°F)

Storage Temperature

-20° to 45°C (-4° to 113°F)

Relative Humidity

0% to 90% non-condensing

What's Included

URSA Mini Pro body

Turret dust cap

EF lens mount

Side Handle with LANC Cable and strap

Power supply

SD card with software and manual

DaVinci Resolve Studio with activation key

Warranty

12 Month Limited Manufacturer's
Warranty.

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