

## Blackmagic URSA Mini 4K EF



The compact URSA Mini camera with EF lens mount, 4K Super 35 image sensor and global shutter is lightweight and perfectly balanced for handheld use and comfortable enough for all day shooting. URSA Mini 4K EF features professional 12G-SDI connections, 5" fold out touchscreen monitor and side grip with camera control functions as well as dual CFast card recorders, built in stereo microphones and more.

### Camera Features

#### Effective Sensor Size

22mm x 11.88mm (Super35).

#### Lens Mount

EF Mount

#### Lens Control

EF via mount pins.

#### Dynamic Range

12 Stops.

#### Shooting Resolutions

3840 x 2160

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

#### Focus

Focus button turns on peaking, auto focus available using compatible lenses.

#### Iris Control

Iris button automatically adjusts the lens iris settings on compatible lenses so no pixel is clipped in film mode. Scene average auto exposure in video mode.

#### Screen Dimensions

5" 1920 x 1080

#### Screen Type

LCD capacitive touchscreen

#### Metadata Support

Automatic camera data and user data such as shot number, filenames and keywords.

#### Controls

Touchscreen menus on 5" screen. Push buttons for other controls. 2 assignable shortcut keys.

#### Speaker

1 x mono speaker, enabled in playback mode when headphones are not used.

### Connections

#### Total Video Inputs

1 x SDI

#### Total Video Outputs

1 x SDI, 1 x SDI Monitoring.

#### SDI Rates

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

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**Optical SDI**

None

**Analog Audio Inputs**

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.

**Remote Control**

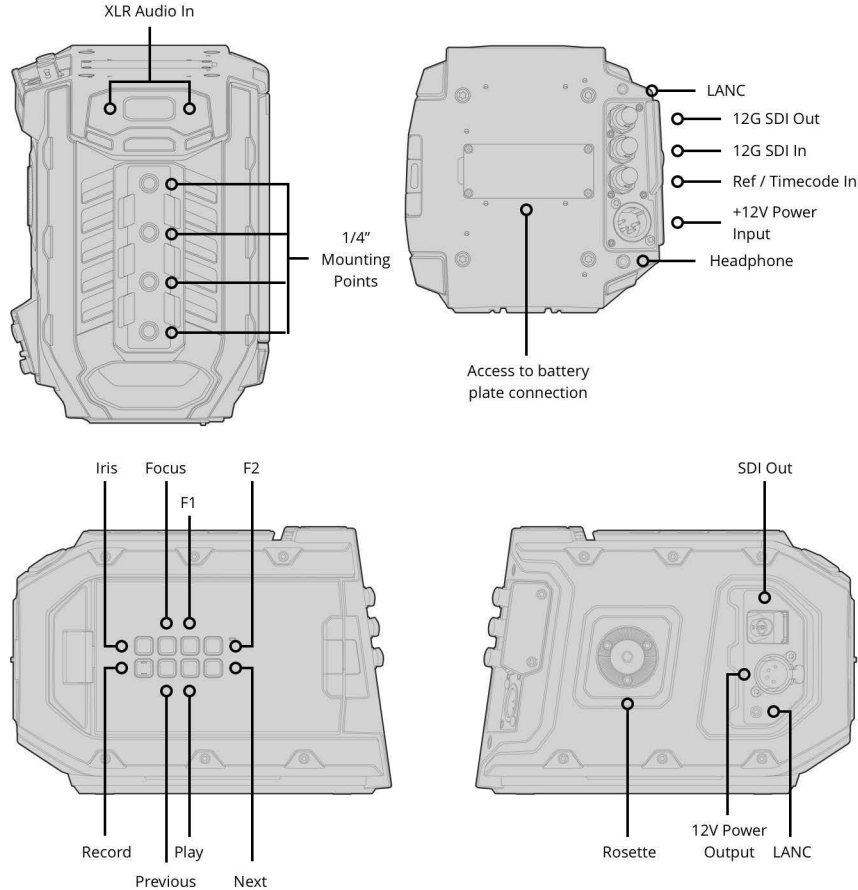
2 x 2.5mm LANC input for Rec Start/ Stop, plus Iris and Focus control using compatible lenses.

**Reference Input**

Tri-Sync/Black Burst/Timecode.

**Computer Interface**

USB 2.0 Mini-B port for software updates.



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**Audio****Microphone**

2 x built in cardioid microphones for stereo recording with -15dB pad and low cut filter.

**Built in Speaker**

Mono.

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**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

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**SDI Compliance**

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

**SDI Audio Sampling**

48 kHz and 24 bit

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**Media****Media**

2 x CFast 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 for compatible media.

**Media Format**

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

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**Supported Codecs****Codecs**

Apple ProRes XQ QuickTime,  
ProRes 444 QuickTime, ProRes 422  
HQ QuickTime, ProRes 422  
QuickTime, ProRes 422 LT QuickTime  
and ProRes 422 Proxy QuickTime.

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**Control****External Control**

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

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**Color Corrector****Color Corrector**

DaVinci YRGB.

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**Talkback and Tally****Live Tally Indicator**

Tally on LCD, viewfinder and studio  
viewfinder.

**Talkback**

SDI Channels 15 and 16.

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## Storage Features

### Storage Rates

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

Apple ProRes XQ, 444, 422 HQ, 422 LT and 422 Proxy at 3840 x 2160 and 1920 x 1080 with either film or video dynamic range.

### Storage Type

2 x CFast 2.0

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## Software

### Software Included

URSA Mini Operating System.

DaVinci Resolve Studio for Mac and Windows including activation key.  
Blackmagic Camera Setup.

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## Operating Systems



Mac 10.13 High Sierra,  
Mac 10.14 Mojave or later.



Windows 8.1 or Windows 10.

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## 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.

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## Power

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

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## Accessories

### Optional Accessories

URSA Mini Shoulder Kit including top handle and extender arm  
URSA Viewfinder  
URSA Studio Viewfinder  
URSA Mini SSD Recorder  
URSA VLock Battery Plate  
URSA Gold Battery Plate  
URSA Mini Mic Mount  
URSA Mini Top Handle  
URSA Handgrip  
Blackmagic Camera Fiber Converter

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## Physical Specifications



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## 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

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## What's Included

Blackmagic URSA Mini 4K EF  
Turret Dust Cap  
Side Handle with LANC Cable and strap  
Power supply  
SD card with software and manual  
DaVinci Resolve Studio with activation key

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## Warranty

12 Month Limited Manufacturer's Warranty.

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