

Blackmagic URSA Mini 4.6K EF



The compact URSA Mini camera with EF lens mount, 4.6K Super 35 sensor and an incredible 15 stops of dynamic range, is lightweight and perfectly balanced for handheld use and comfortable enough for all day shooting. URSA Mini 4.6K 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

25.34mm x 14.25mm (Super35)

Lens Mount

EF Mount

Lens Control

EF via mount pins.

Dynamic Range

15 Stops.

Shooting Resolutions

4608 x 2592,
4096 x 2304 (4K 16:9),
4608 x 1920 (4K 2.4:1),
4096 x 2160 (4K DCI),
3840 x 2160 (Ultra HD),
3072 x 2560 (3K Anamorphic),
2048 x 1152 (2K 16:9),
2048 x 1080 (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.

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.

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.

Reference Input

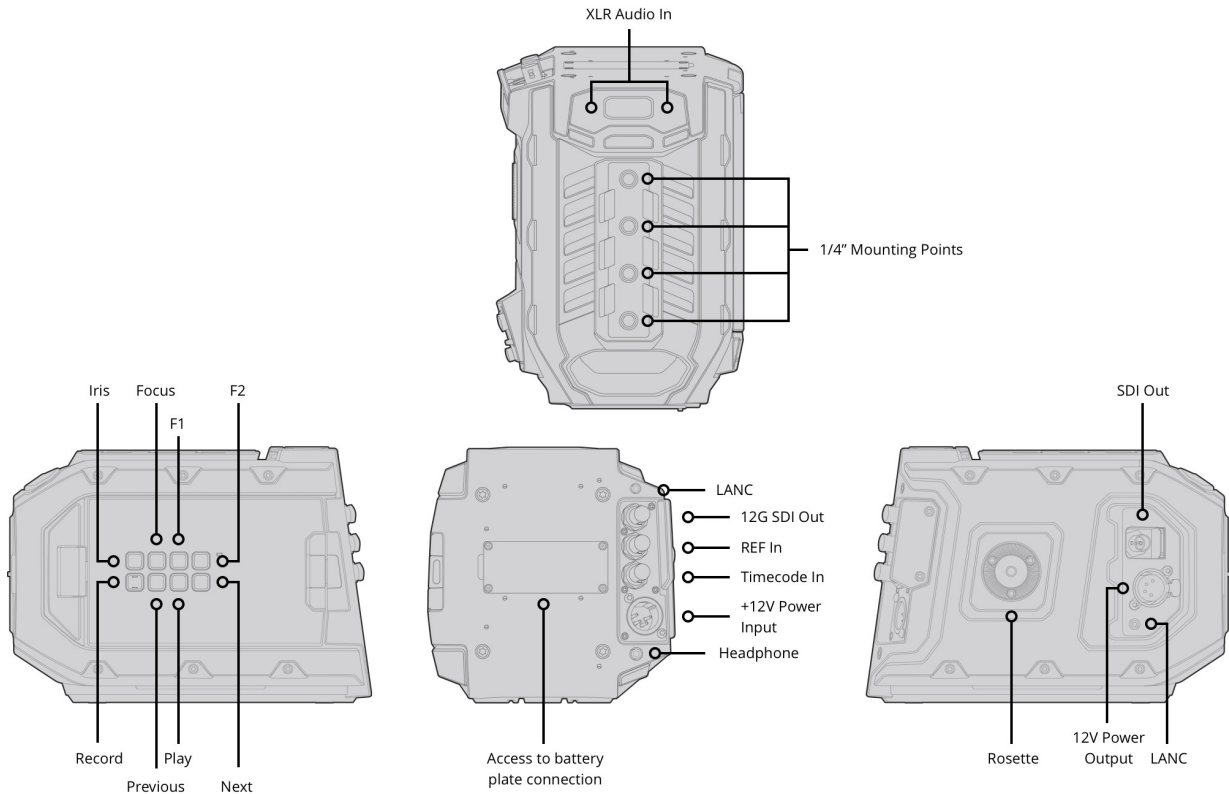
Tri-Sync/Black Burst/Timecode.

Remote Control

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

Computer Interface

USB 2.0 Mini-B port for software updates.



Audio

Microphone

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

Built in Speaker

Mono.

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,
Draft SMPTE 2081-1, Draft SMPTE
2082-1

SDI Audio Sampling

48 kHz and 24 bit

Media**Media**

2 x CFast for HD and Ultra HD
recording.

Media Format

Can format cards 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. 2 x
2.5mm LANC for lens and record
control.

Color Corrector**Color Corrector**

DaVinci YRGB.

Talkback and Tally**Live Tally Indicator**

Tally on LCD, viewfinder and studio
viewfinder.

Talkback

SDI Channels 15 and 16.

Storage Features

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.

Storage Type

2 x CFast 2.0

Software

Software Included

URSA Mini Operating System
DaVinci Resolve Studio grading software including Resolve USB dongle for Mac OS X and Windows.
Blackmagic Media Express software.
Blackmagic Disk Speed Test.
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 Shoulder Kit including top handle and extender arm
URSA Viewfinder
URSA Studio Viewfinder
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

Blackmagic URSA Mini 4.6K EF
Turret Dust Cap
Side Handle with LANC Cable and strap
Power supply
SD card with software and manual
DaVinci Resolve Studio USB dongle

Warranty

12 Month Limited Manufacturer's Warranty.

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