

Blackmagic URSA Mini 4.6K PL



The compact URSA Mini camera with PL 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. Compatible with the most cinematic PL lenses, features include 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

Sensor Size

25.34mm x 14.25mm (Super35)

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)

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 HD windowed.

Dynamic Range

15 stops

Focus

Focus button turns on peaking, auto focus available using compatible lenses with servo focus via broadcast 12-pin connector.

Iris Control

Iris button automatically adjusts the lens iris settings on compatible lenses via broadcast 12-pin connector so no pixel is clipped in film mode. Scene average auto exposure in video mode.

Lens Mount

PL Mount

Screen Dimensions

1 x 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.

Microphone

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

Speaker

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

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.

Storage Type

2 x CFast 2.0

Please refer to either the Manual or the Information Note at www.blackmagicdesign.com/support for compatible media.

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 and 2048 x 1080. Apple ProRes 3840 x 2160 and 1920 x 1080 with either film or video dynamic range.

Connections

SDI Video Output

1 x 12G-SDI BNC 10-bit 4:2:2

1 x 3G-SDI BNC 10-bit 4:2:2

SDI Video Input

1 x 12G-SDI BNC 10-bit 4:2:2

Ref/ Timecode Input

1 x BNC reference or timecode input with automatic detection

Analog Audio Input

2 x XLR analog user selectable between mic and line levels. Phantom power support.

SDI Audio Output

2 channel

Headphones

3.5mm stereo headphone jack

Lens Connector

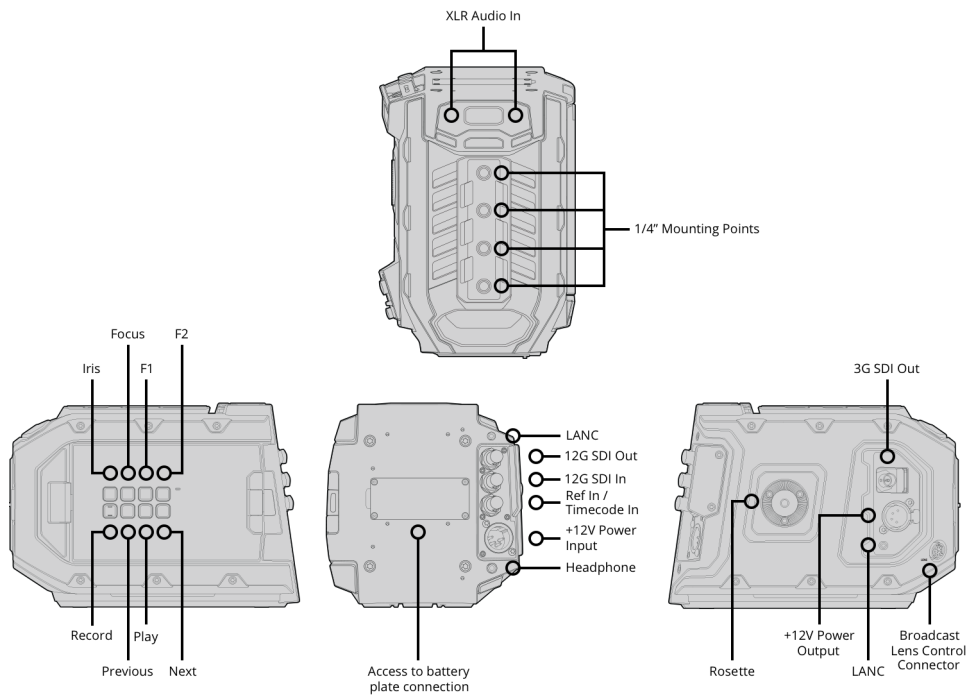
Hirose 12-pin

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.



Standards

SDI Compliance

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

SDI Audio Sampling

48 kHz and 24 bit

Software

Software Included

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 10.10 Yosemite,
Mac OS X 10.11 El Capitan
or later.



Windows 8.1 or
Windows 10.

Power Requirements

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.

External Power Output

1 x 12V output using 4-pin XLR for powering external accessories such as EVF.
1 x 12V regulated output from rear molex 12-way connector.

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 VLock Battery Plate
URSA Mini B4 Mount

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 PL
Turret Dust Cap
Side Handle with LANC Cable and strap
Power supply
Software and manual SD card
DaVinci Resolve Studio USB dongle

Warranty

Product Warranty

12 Month Limited Manufacturer's Warranty.

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