



## Blackmagic URSA PL

### Technical Specifications

#### Description

URSA camera body with the PL lens mount and large 4K Super 35 image sensor with global shutter and the film industry PL lens mount installed. URSA PL is ideal when you need to use feature film industry PL mount lenses for the most cinematic optics available!

#### Camera Features

##### Effective Sensor Size

21.12mm x 11.88mm (Super 35)

##### Effective Resolution

3840 x 2160, 4000 x 2160 RAW

##### Shooting Resolutions

3840 x 2160, 1920 x 1080, 4000 x 2160 RAW

##### Frame Rates

30 fps in RAW

80 fps in RAW 3:1

80 fps in ProRes HD or ProRes UHD

##### Dynamic Range

12 stops

##### Focus

Manual

##### Iris Control

Manual

##### Lens Mount

PL Mount

##### Screen Dimensions

1 x 10.1" - 1920 x 1200

2 x 5" - 800 x 480

---

## Screen Type

10.1" - TFT-LCD

5" - Integrated 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 button controls for settings and navigating menus.

## Microphone

Integrated stereo microphone.

## Speaker

Integrated mono speaker

## Mounting Options

Multiple 1/4"-20 UNC thread mounting on top of camera and on handle bar. Rosette on bottom. Integrated rods mounts compatible with 15mm Light Weight Support standard.

## Storage Features

### Storage Type

CFast 2.0

### Storage Rates

Approx 880 Mbps using Apple ProRes 422 HQ at 3840 x 2160, 589 Mbps using Apple ProRes 422 at 3840 x 2160, 410 Mbps using Apple ProRes 422 LT at 3840 x 2160 and 182 Mbps using Apple ProRes 422 Proxy at 3840 x 2160. Approx 220 Mbps using Apple ProRes 422 HQ at 1920 x 1080, 147 Mbps using Apple ProRes 422 at 1920 x 1080, 102 Mbps using Apple ProRes 422 LT at 1920 x 1080 and 45 Mbps using Apple ProRes 422 Proxy at 1920 x 1080. Approx 265MB/s using CinemaDNG RAW at 4000 x 2160. Approx 125 MB/s using CinemaDNG RAW 3:1. Storage rates calculated at 30 frames per second.

### Compressed Recording Formats

Lossless CinemaDNG RAW and RAW 3:1 with film dynamic range at 4000 x 2160. Apple ProRes 422 HQ, 422, 422 LT and 422 Proxy at 3840 x 2160 and 1920 x 1080 with either film or video dynamic range.

## Connections

### SDI Video Output

1 x 12G-SDI 10-bit 4:2:2. 1 x 3G-SDI down converted for external monitoring

### SDI Video Input

1 x 12G-SDI

### Ref Input

1 x BNC Reference Input

### Timecode Input

1 x BNC Timecode Input

---

**Timecode Output**

1 x BNC Timecode Output

---

**Analog Audio Input**

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

---

**Analog Audio Output**

1/4" jack output for headphone monitoring

**SDI Audio Output**

2 channel

---

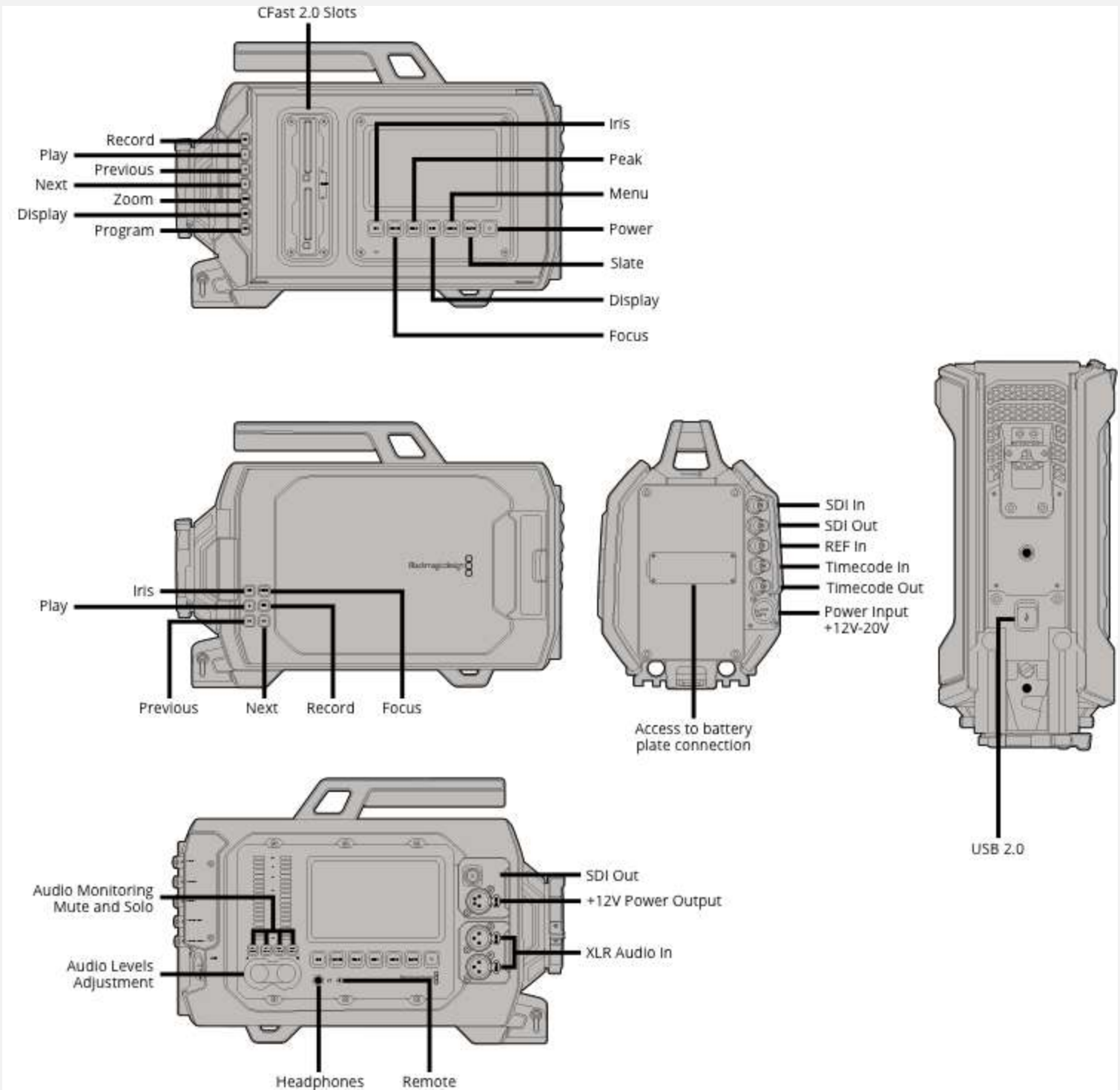
**Remote Control**

1 x 2.5mm LANC for Rec Start/Stop.

---

**Computer Interface**

USB 2.0 Mini-B port for software updates.



## Standards

### SDI Compliance

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

### SDI Audio Sampling

48 kHz and 24 bit

New Era Systems, Inc.  
 2179 N. Powerline Road, Pompano Beach, FL33069  
 Sales@newerasystems.net

## Software

### **Software Included**

DaVinci Resolve grading software including Resolve USB dongle for Mac OS X and Windows.

Blackmagic Media Express software.

Blackmagic Disk Speed Test.

## Operating Systems

Mac OS X 10.9 Mavericks,

Mac OS X 10.10 Yosemite or later.

Windows 7 or Windows 8.

## Power Requirements

### **External Power Input**

1 x 4-pin XLR port for external power or battery use.

### **External Power Output**

1 x 12V output using 4-pin XLR for powering external accessories such as EVF.

### **Power**

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

## Accessories

### **Optional Accessories**

Shoulder Kit with 15mm Light Weight Support and Rosettes

Vlock Battery Plate

PL Mount Shim Kit

## 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 PL

PL Mount Turret

12V AC Adapter

Tripod mounting plate adapter

DaVinci Resolve and dongle

## Warranty

### Product Warranty

12 Month Limited Manufacturer's Warranty.