

# Blackmagic URSA Cine Immersive



Blackmagic URSA Cine Immersive is the world's first camera system for capturing Apple Immersive Video for Apple Vision Pro. The dual 8K sensors deliver 8160 x 7200 resolution per eye with pixel level synchronization and an incredible 16 stops of dynamic range. The custom lens system is designed exclusively for URSA Cine Immersive's large format imaging sensor. Blackmagic URSA Cine Immersive comes with a massive 8TB of removable high performance media storage built in and also includes high speed 10G Ethernet and WiFi for fast media upload and syncing to Blackmagic Cloud!

S\$41,025

## Camera Features

**Sensors**

2 x 8K sensors.  
Left eye and right eye.

**Effective Sensor Size**

23.66 mm x 20.88 mm each.

**Pixel Pitch**

2.9 microns.

**Lens**

Fixed focal length, 180°+ field of view, stereo lens pair.

**Dynamic Range**

16 Stops.

**Shooting Formats**

8160 x 7200 x 2 (stereo immersive)

**Frame Rates**

Project frame rates of 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 and 90 fps supported.

**High Speed Frame Rates**

8K stereo immersive up to 90 fps.

**Built in ND Filters**

Button activated ND filters with clear, 2-stop, 4-stop, 6-stop and 8-stop IR ND filters.

**Iris Control**

Fixed iris.

**Screens**

2 x Monitoring Screens.  
1 x Camera Status Screen.

**Monitoring Screen Dimensions**

5 inch.

**Monitoring Screen Resolution**

1920px x 1080px.

**Monitoring Screen Brightness**

1500 nits.

**Monitoring Screen Type**

LCD capacitive touchscreen.

**Monitoring Options**

Left Eye, Right Eye, Punch In.

**Metadata Support**

Discrete left and right eye optical calibration metadata. Automatic recording of camera settings and slate data such as project, scene number, take and special notes.

**Controls**

Touchscreen menus on 5 inch screen. Push buttons for other controls. 7 assignable shortcut keys plus 3 assignable shortcut keys on PYXIS Monitor.

**Timecode Clock**

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

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## Connections

### Total Video Outputs

2

### 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.

### Reference Inputs

Tri-Sync/Black Burst and Timecode.

### USB-C Monitor Outputs

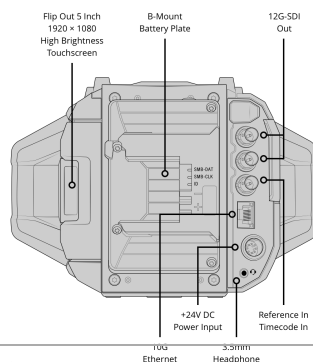
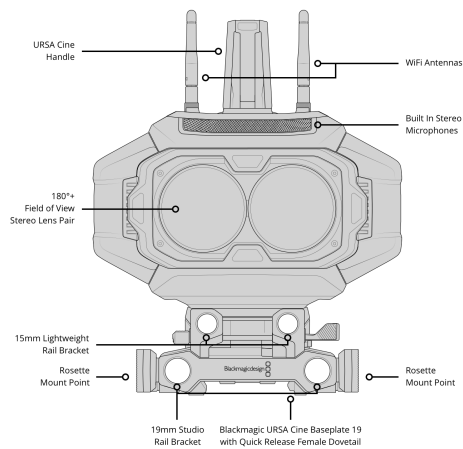
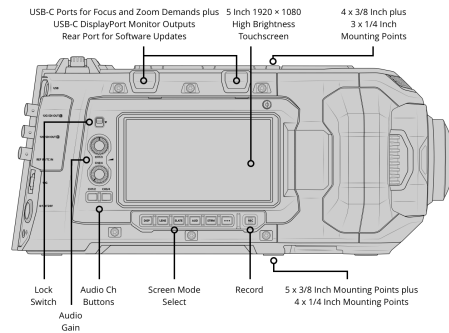
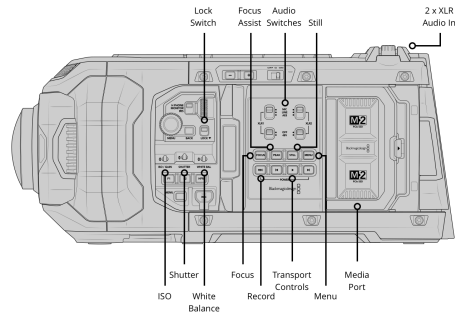
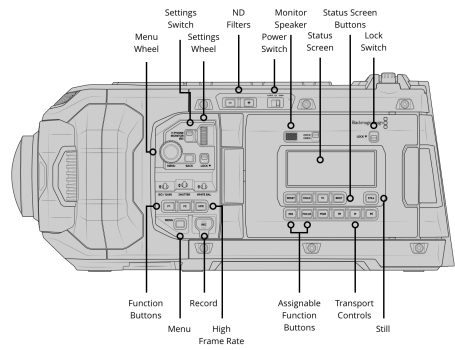
2 x USB-C side monitor ports support URSA Cine EVF, PYXIS Monitor or DisplayPort monitors.

### Computer Interface

2 x USB-C side expansion ports for camera accessories.  
Software updates using side USB-C closer to rear.

### Ethernet

1 x 10Gb/s RJ-45 connector supporting 10/100/1000/10G BASE-T for SMB file sharing, Web Media Management, Blackmagic Cloud uploads, camera control and streaming.



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## Audio

### Microphone

Integrated stereo microphone.

### Built in Speaker

1 x mono speaker.

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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

### SDI Compliance

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

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### SDI Audio Sampling

48 kHz and 24 bit.

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## Media

### Media

1 x Blackmagic Media Module.

### Media Format

Blackmagic

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## Supported Codecs

### Codecs

Blackmagic RAW Constant Bitrate 5:1  
Blackmagic RAW Constant Bitrate 8:1  
Blackmagic RAW Constant Bitrate  
12:1  
Blackmagic RAW Constant Bitrate  
18:1  
Blackmagic RAW Constant Quality Q0  
Blackmagic RAW Constant Quality Q1  
Blackmagic RAW Constant Quality Q3  
Blackmagic RAW Constant Quality Q5

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## Control

### External Control

Blackmagic PYXIS Monitor can trigger record plus camera functions assigned to the F1, F2, F3. External Camera Control supported using REST API over Ethernet or WiFi. Blackmagic iPad control and Bluetooth control supported. Blackmagic Zoom Demand for controlling camera.

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## Network Management

### **NTP**

Network time protocol support allows you to sync the time on your camera, whenever connected to a network with any NTP server of your choice.

### **FTP**

Download files from any drive attached to your camera using FTP.

### **Web Media Manager**

Using a browser connected over Ethernet, web media manager allows you to access, browse, download and delete files from any drive connected to the camera.

### **SMB**

File sharing using SMB.

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## Storage Features

### **Storage Type**

1 x Blackmagic Media Module 8TB.

### **Storage Rates**

Storage rates based on 90 frames per second.

### **8K Stereo Immersive**

8160 x 7200 x 2

Blackmagic RAW 5:1 - 3,202 MB/s

Blackmagic RAW 8:1 - 2,001 MB/s

Blackmagic RAW 12:1 - 1,334 MB/s

Blackmagic RAW 18:1 - 890 MB/s

Blackmagic RAW Q0 - 1,601 to 5,337 MB/s

Blackmagic RAW Q1 - 1,334 to 4,574 MB/s

Blackmagic RAW Q3 - 801 to 4,003 MB/s

Blackmagic RAW Q5 - 534 to 2,287 MB/s

Constant Quality Rates are: Q0 10:1 - 3:1, Q1 12:1 - 3.5:1, Q3 20:1 - 4:1, Q5 30:1 - 7:1

Actual storage rates are dependent on image subject matter.

### **Recording Formats**

Blackmagic RAW 5:1, 8:1, 12:1, 18:1, Q0, Q1, Q3 and Q5 at 8160 x 7200 resolution for each eye.

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## Software

### **Software Included**

URSA Cine Blackmagic OS

DaVinci Resolve Studio for Mac and Windows including activation key

Blackmagic Camera Setup

Blackmagic RAW Player

Blackmagic RAW QuickLook Plugin

Blackmagic RAW SDK

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## Operating Systems



Mac 14.0 Sonoma,  
Mac 15.0 Sequoia or later.



Windows 10 and 11.

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## Power Requirements

### Power Supply

+24V DC external power supply 100 -  
240 AC 50/60Hz compatible with IEC  
C14 socket.  
B-Mount battery plate.

### Power Input

1 x 8 pin Lemo compatible socket for  
external power or battery use.  
Molex connector for rear  
battery plate.

### Power Output

B-Mount battery plate including 2-pin  
connector with +12V regulated  
output from camera.

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## Accessories

### Optional Accessories

Blackmagic PYXIS Monitor  
Blackmagic PYXIS Monitor Kit  
Blackmagic PYXIS Monitor EVF Kit  
Blackmagic URSA Cine EVF  
Blackmagic URSA Cine Battery Plate B Mnt  
Blackmagic URSA Cine Battery Plate Gold  
Blackmagic URSA Cine Battery Plate VLock  
Blackmagic URSA Cine Baseplate 15  
Blackmagic URSA Cine Baseplate 19  
Blackmagic URSA Cine Handle  
Blackmagic URSA Cine 5" LCD Sunshade  
Blackmagic Media Dock  
Blackmagic Media Module 8TB  
ATEM Streaming Bridge

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

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## What's Included

Blackmagic URSA Cine Immersive camera  
Blackmagic Media Module 8TB  
Blackmagic URSA Cine Handle and bolts  
Blackmagic URSA Cine Baseplate 19  
Blackmagic URSA Cine Battery Plate B Mount  
Blackmagic URSA Cine Rubber Caps for connectors  
Blackmagic URSA Cine WiFi Antennas  
Blackmagic URSA Cine 24V 250W power supply  
Blackmagic Immersive Stereo Lens Cover  
Plastic folding screen hood for 5" LCD  
DaVinci Resolve Studio with activation key  
Welcome wallet with QR code for software download  
Pelican 1510 Case with custom foam

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## Warranty

1 Year Limited Manufacturer's  
Warranty.

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