Blackmagic URSA Mini Pro 4.6K G2

URSA Mini Pro 4.6K G2 is a next generation digital film camera with updated electronics and a high performance 4.6K HDR image sensor for shooting at up to 300 frames per second. You get a Super 35mm 4.6K sensor with 15 stops of dynamic range, built in optical ND filters, interchangeable EF lens mount that can be swapped for optional PL, B4 or F mounts, Blackmagic RAW and ProRes recording to dual CFast or dual SD cards, and an innovative USB-C expansion port for recording directly to external disks. In addition, URSA Mini Pro 4.6K G2 features a massive set of external broadcast style controls, backlit status display, foldout touchscreen monitor and more!

$5,995

Camera Features

Effective Sensor Size
25.34mm x 14.25mm (Super35)

Lens Mount
EF mount included. Interchangeable with optional PL, B4 and F lens mounts.

Lens Control
Electronic control via EF mount pins or 12pin broadcast connector for compatible lenses

Dynamic Range
15 Stops.

Shooting Resolutions
4608 x 2592, 4608 x 1920 (4.6K 2.40:1), 4096 x 2304 (4K 16:9), 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.

High Speed Frame Rates
Blackmagic RAW 8:1
4.6K Full - Up to 120 fps
UHD Windowed - Up to 150 fps
HD Windowed - Up to 300 fps
ProRes 422 HQ
4.6K Full - Up to 80 fps
UHD Windowed - Up to 120 fps
HD Windowed - Up to 240 fps

Built in ND Filters
Four position ND filter wheel with clear, 2-stop, 4-stop and 6-stop ND filters.

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

Iris Control
Iris wheel and touchscreen slider for manual iris adjustment on electronically controllable lenses, iris button for instant auto iris settings on compatible lenses so no pixel is clipped in film mode. Scene average auto exposure in video mode.

Screen Dimensions
4 inch

Screen Type
LCD capacitive touchscreen.

Metadata Support
Automatically populated lens data from electronic EF, B4 and i/ Technology compatible PL lenses. Automatic recording of camera settings and slate data such as project, scene number, take and special notes.
Controls
Touchscreen menus on 4 inch screen. Push buttons for other controls. 2 assignable shortcut keys.

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

Connections

Total Video Inputs
1 x SDI

Total Video Outputs
1 x SDI, 1 x SDI Monitoring.

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, supports iPhone microphone for talkback.

Reference Inputs
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 Type-C 3.1 Gen 1 for external drive recording and software updates.
### Audio

**Microphone**
- Integrated stereo microphone.

**Built in Speaker**
- 1 x mono speaker.

### Standards

<table>
<thead>
<tr>
<th>Video Standards</th>
<th>SD Video Standards</th>
<th>HD Video Standards</th>
<th>Ultra HD Video Standards</th>
<th>SDI Compliance</th>
</tr>
</thead>
</table>

**SDI Audio Sampling**
- 48 kHz and 24 bit

### Media

<table>
<thead>
<tr>
<th>Media</th>
<th>Media Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x CFast 2.0 card slots, 2 x SD UHS-II card slots, 1 x USB-C 3.1 Gen 1 expansion port for external media for Blackmagic RAW and ProRes recording. Please refer to either the Manual or the Information Note at <a href="http://www.blackmagicdesign.com/support">www.blackmagicdesign.com/support</a> for compatible media.</td>
<td>Can format media to ExFAT (Windows/Mac) or HFS+ (Mac) file systems.</td>
</tr>
</tbody>
</table>

### Supported Codecs

**Codecs**
Control

External Control
Blackmagic SDI Control Protocol, iPad control, Bluetooth control, 2 x 2.5mm LANC for lens and record control.

Color Corrector

Color Corrector
DaVinci YRGB.

Talkback and Tally

Talkback
SDI Channels 15/16 and iPhone headset.

Live Tally Indicator
Tally on LCD, URSA Viewfinder and URSA Studio Viewfinder.

Storage Features

Storage Type
2 x CFast 2.0
2 x SD UHS-II cards
1 x high speed USB-C expansion port for external media.
### Storage Rates

Storage rates based on 30 frames per second.

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Blackmagic RAW 3:1</th>
<th>Blackmagic RAW 5:1</th>
<th>Blackmagic RAW 8:1</th>
<th>Blackmagic RAW 12:1</th>
<th>Blackmagic RAW Q0 - 110 to 274 MB/s *</th>
<th>Blackmagic RAW Q5 - 27 to 78 MB/s **</th>
</tr>
</thead>
<tbody>
<tr>
<td>4608 x 2592</td>
<td>183 MB/s</td>
<td>110 MB/s</td>
<td>68 MB/s</td>
<td>46 MB/s</td>
<td>110 to 274 MB/s</td>
<td>27 to 78 MB/s</td>
</tr>
<tr>
<td>4608 x 1920</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4096 x 2304</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3840 x 2160</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3072 x 1536</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2048 x 1080</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Recording Formats

Blackmagic RAW Q0, Q5, 3:1, 5:1, 8:1 and 12:1 at 4608 x 2592, 4608 x 1920, 4096 x 2304, 4096 x 2160, 3840 x 2160, 3072 x 2560, 2048 x 1152, 2048 x 1080 and 1920 x 1080 with extended video or video dynamic range.

- **Constant Quality setting Q0 storage rates quoted are indicative only, based on a 2:1 - 5:1 compression range.**
- **Constant Quality setting Q5 storage rates quoted are indicative only, based on a 7:1 - 20:1 compression range.**
- Actual storage rates are entirely dependent on image subject matter.
Software

**Software Included**
- URSA Mini Operating System
- DaVinci Resolve Studio for Mac and Windows including activation key
- Blackmagic Camera Setup
- Blackmagic RAW Player
- Blackmagic RAW QuickLook Plugin
- Blackmagic RAW SDK

Operating Systems

Mac 10.14 Mojave, Mac 10.15 Catalina or later.

Windows 8.1 or Windows 10.

Power Requirements

**Power Supply**
1 x External 12V power supply. 12 pin Molex connector for 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 Pro PL, EF, B4 and F Mounts
URSA Mini Pro Shim Kit
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

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 Pro 4.6K G2 body
Turret dust cap
EF lens mount
Power supply
SD card with software and manual
DaVinci Resolve Studio with activation key

Warranty

12 Month Limited Manufacturer's Warranty.