

Blackmagic Cinema Camera PL



The world's smallest super wide dynamic range PL mount 2.5K digital film camera! Blackmagic Cinema Camera PL includes 13 stops of dynamic range, built in RAW and ProRes SSD recorder, 5 inch touch screen with metadata entry, extremely strong machined aluminum chassis and more. Includes full copy of DaVinci Resolve Studio software for a complete solution for shooting, editing, color correcting and finishing digital film.

\$2,295

Camera Features

Sensor Size

15.81mm x 8.88mm

RAW Resolution

12-bit RAW files recorded at 2400 x 1350

Shooting Resolutions

2.5K RAW at 2400 x 1350. ProRes and DNxHD at 1920 x 1080

Frame Rates

HD 1080p23.98, 24, 25, 29.97, 30.

Dynamic Range

13 stops

Focus

Focus button turns on peaking.

Iris Control

Compatible with manually operated PL mount lens.

Lens Mount

PL mount for manually operated lens with manual iris control.

Screen Dimensions

5" and 800 x 480 resolution

Screen Type

Integrated LCD capacitive touchscreen

Metadata Support

Automatic camera data and user data such as shot number, filenames and keywords

Controls

Onscreen touch menus and physical buttons for recording and transport control

Microphone

Integrated mono microphone

Speaker

Integrated mono speaker

Mounting Options

3 x 1/4"-20 UNC thread mounting points on top of camera.

1 x 1/4"-20 UNC thread tripod mount with locator pin.

Power

Integrated Lithium-ion Polymer rechargeable battery.

12V-30V DC port for external battery power or use included 12V AC adapter.

Battery Life

Approximately 90 minutes

Battery Charge Time

Approximately 2 hours when not in use.

Storage Features

Storage Type

Removable 2.5" SSD
Please refer to either the Manual or the Information Note at www.blackmagicdesign.com/support for compatible media.

Storage Format

Mac OS Extended or exFAT format. SSDs can be formatted in camera, or on any Mac or Windows computer. Formatting in camera recommended.

Storage Rates

2400 x 1350
CinemaDNG RAW - 105 MB/s
1920 x 1080
Apple ProRes 422 - 18.4 MB/s
Apple ProRes 422 LT - 12.75 MB/s
Apple ProRes Proxy - 5.6 MB/s
Avid DNxHD - 27.5 MB/s
Storage rates based on 30 frames per second.

Recording Formats

Lossless compressed 2.5K
CinemaDNG RAW with film dynamic range at 2400 x 1350. Apple ProRes 422 HQ, ProRes 422, ProRes 422 LT, ProRes 422 Proxy and Avid DNxHD. All ProRes and DNxHD recording in 1920 x 1080 10-bit YUV with choice of Film or Video Dynamic Range.

Connections

SDI Video Output

1 x 10-bit HD-SDI 4:2:2 with choice of Film or Video dynamic range. When recording is set to 25p or 29.97p with SDI Overlays switched off, the SDI output format is 1080i50 and 1080i59.94 respectively.

Analog Audio Input

2 x 1/4" jacks for professional balanced analog audio, switchable between mic and line levels.

Analog Audio Output

1 x 3.5mm stereo headphone output.

SDI Audio Output

2 channels in HD-SDI

Remote Control

1 x 2.5mm LANC for Record Start and Stop.

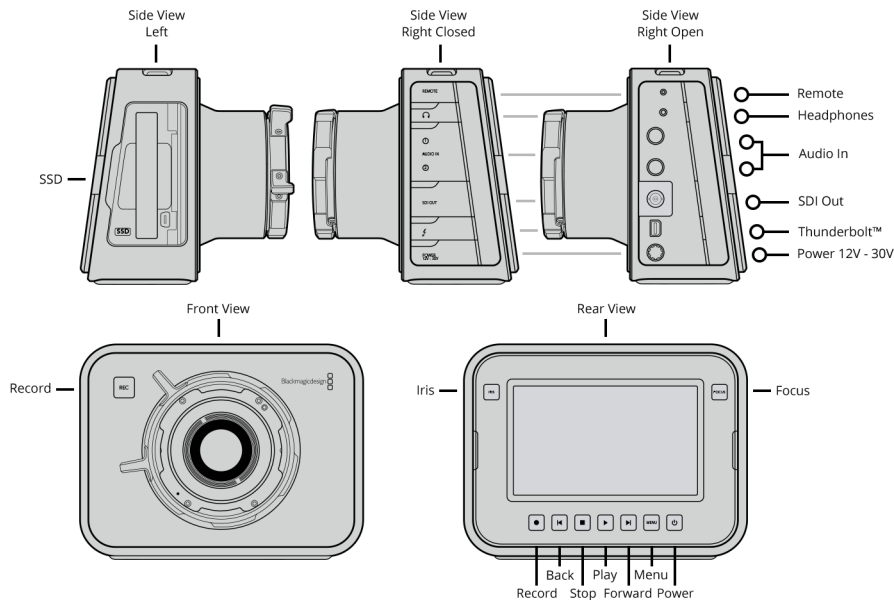
Computer Interface

Thunderbolt port for waveform monitoring and capture of 1080 HD video

USB 2.0 Mini-B port for software updates and configuration.

External Power

12V-30V DC port for external battery power or use included 12V AC adapter.



Standards

SDI Compliance

SMPTE 292M.

SDI Audio Sampling

48 kHz and 24 bit.

Operating Systems



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



Windows 8.1 or
Windows 10.

Extras

Software Included

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

Media Express software for video capture from the camera's Thunderbolt port.

Blackmagic UltraScope software for waveform monitoring from the camera's Thunderbolt port.

Accessories

Detachable sun shield, camera strap, turret dust cap and 12V AC adapter.

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 Cinema Camera PL

Sun Shield

Camera Strap

Turret Dust Cap

12V AC Adapter

Warranty

12 Months Limited Manufacturer's Warranty.

Optional Accessories

Blackmagic Cinema Camera Handles

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