



Blackmagic Pocket Cinema Camera

Technical Specifications

Description

The world's most compact Super 16 digital film camera features an elegant magnesium alloy chassis, 13 stops of dynamic range, Super 16 sensor size, high quality Apple ProRes 422 (HQ) and lossless compressed CinemaDNG RAW recording, as well as interchangeable optics with an active Micro Four Thirds lens mount, all packed into an incredibly tiny size. Includes power supply, removable/rechargeable battery and wrist strap.

Camera Features

Effective Sensor Size
12.48mm x 7.02mm

Effective Resolution
1920 x 1080

Shooting Resolutions
Lossless CinemaDNG RAW and Apple ProRes 422 (HQ) at 1920 x 1080

Frame Rates
23.98p, 24p, 25p, 29.97p, 30p

Dynamic Range
13 stops

Iris Control

Iris button automatically adjusts the lens iris settings so no pixel is clipped in film mode. Scene average auto exposure in video mode.

Lens Mount
Active MFT

Screen Dimensions
3.5" and 800 x 480 resolution.

Screen Type
Integrated LCD.

Metadata Support

Controls

4 way directional controller for navigating menus and entering metadata. Push buttons for recording and transport control.

Microphone
Integrated stereo microphone.

Speaker
Integrated mono speaker.

Mounting Options
1 x 1/4"-20 UNC thread mounting point on top of camera. 1 x 1/4"-20 UNC thread tripod mount.

Focus
Focus button turns on peaking.

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

Storage Features

Storage Type
Removable SDXC, SDHC cards.

Storage Format
SD card can be formatted in either exFAT or HFS+

Storage Rates
220 Mbps using Apple ProRes 422 (HQ)

Compressed Recording Formats
Apple ProRes 422 (HQ) in QuickTime MOV, lossless CinemaDNG RAW. Recording in 1920 x 1080 with choice of Film or Video Dynamic Range.

Connections

HDMI Video Output
1 x Micro HDMI Type D output.

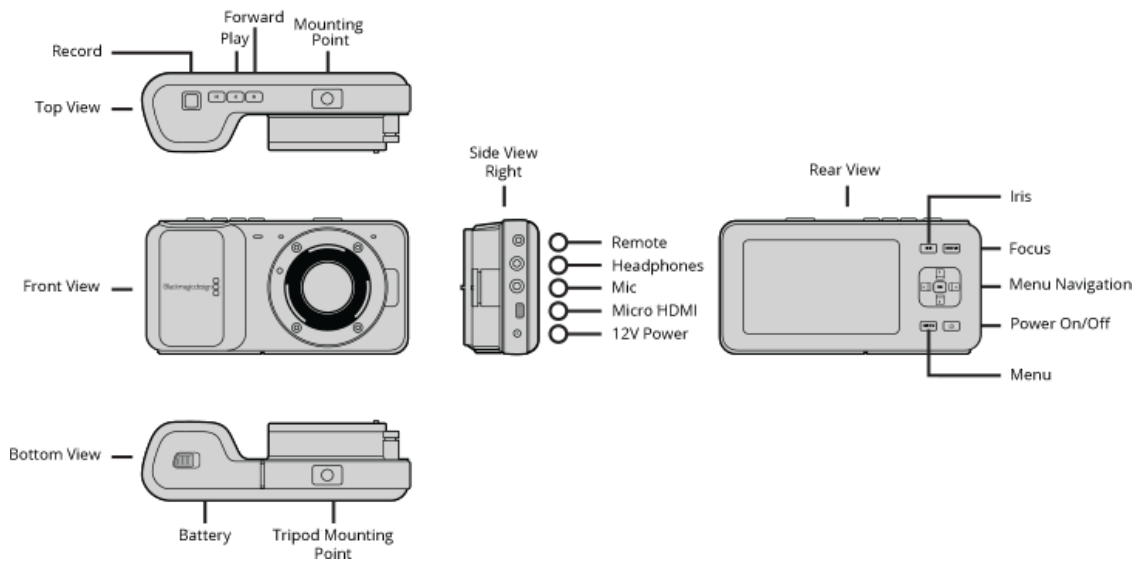
Analog Audio Input
1 x 3.5mm stereo audio.

Analog Audio Output
1 x 3.5mm stereo jack headphone output.

HDMI Audio Output
2 channels 48 kHz and 24 bit.

Remote Control
1 x 2.5mm LANC for Rec Start/Stop, Iris Control and Focus.

Computer Interface
USB 2.0 mini B port for software updates and configuration.



Software

Software Included
DaVinci Resolve Lite grading software SD card for Mac OS X and Windows.

Supported Software Applications
Apple Final Cut Pro, After Effects® CC, Nuke – The Foundry, Photoshop® CC, DaVinci Resolve.

Operating Systems



Mac OS X 10.8 Mountain Lion or later.



Windows 7 or later.

Power Requirements

External Power
1 x 0.7mm DC Jack for power and battery charging.

Power
Removable, rechargeable Lithium Ion battery for EN-EL20, 12V-20V DC port for external power and battery recharging.

Battery Life
Approximately 1 hour of continuous recording time.

Battery Charge Time
Approximately 1 hour 15 minutes

when camera is off, and approximately 2 hours when in use.

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 Pocket Cinema Camera
Wrist strap
Turret Dust Cap
12V AC Adapter
EN-EL20 Lithium Ion Removable/Rechargeable Battery

Warranty

Product Warranty
12 Month Limited Manufacturer's Warranty.

Where to Find Details
Refer to product Installation and Operation Manual, available on line www.blackmagicdesign.com/support.

Blackmagic Cameras

Blackmagic Pocket Cinema Camera

Features Super 16 size 1080HD sensor, 13 stops of Dynamic Range, MFT mount, SD recorder and display.