Blackmagic Design CINECAMPOCHDEF06P

Blackmagic Design Pocket Cinema Camera 6K Pro User Manual

Model: CINECAMPOCHDEF06P

1. INTRODUCTION

Welcome to the user manual for your Blackmagic Design Pocket Cinema Camera 6K Pro. This document provides essential information for setting up, operating, maintaining, and troubleshooting your camera. The Pocket Cinema Camera 6K Pro is a high-performance digital film camera designed for cinematic quality video and high-resolution still photography.

2. WHAT'S IN THE BOX

Please verify that all items are present before proceeding with setup:

- Blackmagic Design Pocket Cinema Camera 6K Pro (Canon EF)
- Power Supply
- Battery (NP-F570 type)
- DaVinci Resolve Studio Activation Key

3. SETUP GUIDE

3.1. Battery Installation

The Blackmagic Pocket Cinema Camera 6K Pro uses NP-F570 type batteries. To install the battery, locate the battery compartment on the side of the camera grip. Open the compartment cover, insert the battery with the contacts facing inward, and close the cover securely.

Image: Side view of the Blackmagic Pocket Cinema Camera 6K Pro, highlighting the ergonomic grip where the battery is housed.

3.2. Lens Attachment

This camera features a Canon EF mount. To attach a compatible lens, align the red dot on the lens with the red dot on the camera's lens mount. Gently insert the lens and rotate it clockwise until it clicks into place. To remove, press the lens release button and rotate the lens counter-clockwise.

Image: Front view of the Blackmagic Pocket Cinema Camera 6K Pro, displaying the Canon EF lens mount.

3.3. Media Card Insertion

The camera supports CFast and SD UHS-II cards. Locate the card slots on the side of the camera. Insert the CFast card into the larger slot and the SD card into the smaller slot, ensuring the correct orientation. Press firmly until the card locks into place.

3.4. Powering On

Press and hold the power button located on the top of the camera until the screen illuminates. The camera will boot up and display the main interface.

4. OPERATING THE CAMERA

4.1. Basic Controls and Interface

The camera features a 5-inch touchscreen display for navigating menus and adjusting settings. Physical buttons are provided for quick access to essential functions such as ISO, Shutter Angle, White Balance, and Record.

Image: Front view of the Blackmagic Pocket Cinema Camera 6K Pro, highlighting the various control buttons and the integrated screen.

4.2. Recording Video

The camera supports video capture resolutions up to 6K RAW (6144 x 3456) and ProRes 422. To begin recording, press the dedicated record button. Adjust resolution, frame rate, and codec settings via the touchscreen menu. The camera offers 13 stops of dynamic range for high-quality cinematic footage.

4.3. Capturing Still Images

Press the dedicated stills button to capture high-resolution still images. Images are saved as uncompressed 21.2-megapixel DNG frames, providing maximum image quality for post-processing and printing.

4.4. Using Built-in ND Filters

The 6K Pro model includes motorized IR ND filters (2, 4, and 6 stops). These filters reduce the amount of light entering the camera, allowing for wider apertures in bright conditions without overexposure. Access and control the ND filters through the camera's menu or dedicated buttons.

4.5. ISO Settings

The camera features dual native ISO up to 25,600, optimized for minimizing noise across various lighting conditions. The native ISO of 400 is suitable for well-lit environments, while the secondary high base ISO of 3200 is ideal for low-light shooting.

4.6. Storage and Data Transfer

Record directly to CFast or SD UHS-II cards. For extended recording times or direct capture to external drives, utilize the high-speed USB-C Expansion Port. Files can be transferred to a computer via USB-C or by removing the media cards.

5. MAINTENANCE

5.1. Cleaning

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid abrasive cleaners.
- **Lens and Sensor:** Use a professional lens cleaning kit. For the sensor, use a sensor cleaning swab and solution specifically designed for camera sensors. Always refer to lens manufacturer guidelines for cleaning.
- **Screen:** Use a microfiber cloth designed for electronics screens.

5.2. Storage

Store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Use a protective case to prevent dust and physical damage. If storing for extended periods, remove the battery.

5.3. Battery Care

Charge batteries fully before use. Avoid completely draining batteries regularly to prolong their lifespan. Store batteries in a cool, dry place. If not used for a long time, charge them to about 50% capacity every few months.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Blackmagic Pocket Cinema Camera 6K Pro.

Problem	Possible Cause	Solution
Camera does not power on.	Dead or improperly inserted battery; faulty power supply.	Ensure battery is fully charged and correctly inserted. Try powering with the AC adapter.
Camera does not turn off with power switch.	Software glitch.	Remove and reinsert the battery to force a restart. Check for firmware updates.
Recording stops unexpectedly.	Slow media card; card full; overheating.	Use high-speed CFast or UHS-II SD cards. Check available storage. Ensure adequate ventilation around the camera.
Blue tint on LCD screen.	Known display calibration issue.	This may be a characteristic of some units. Blackmagic Design may release firmware updates to address display calibration. The issue typically does not affect recorded footage or HDMI output.
Images appear noisy in low light.	Incorrect ISO setting.	Ensure you are using the appropriate dual native ISO (3200 for low light) and proper exposure.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	CINECAMPOCHDEF06P
Sensor Size	Super 35
Native Resolution	6144 x 3456
Dynamic Range	13 Stops
Dual Native ISO	Up to 25,600
Built-in ND Filters	2, 4, 6 Stop IR ND Filters
Video Capture Resolution	720p, 4K, 6K RAW

Feature	Specification
Video Capture Format	Blackmagic Raw, ProRes 422
Still Image Format	21.2MP DNG
Supported Audio Format	WAV, AAC, MP3
Flash Memory Type	CFast, SD UHS-II
Connectivity Technology	USB-C
Screen Size	5 Inches
Photo Sensor Technology	CMOS
Maximum Aperture	f/2
Item Weight	2.73 pounds
Product Dimensions	9.1 x 9.1 x 9.1 inches
Batteries Required	1 Lithium Metal battery

8. WARRANTY AND SUPPORT

Your Blackmagic Design Pocket Cinema Camera 6K Pro is covered by a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the documentation included with your product or visit the official Blackmagic Design website. For technical support, firmware updates, and additional resources, please visit the Blackmagic Design support page online.

Online Resources:

- Blackmagic Design Official Website: www.blackmagicdesign.com
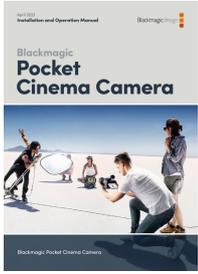- Support Page: www.blackmagicdesign.com/support

Related Documents - CINECAMPOCHDEF06P

[Blackmagic Pocket Cinema Camera Installation and Operation Manual](#)
Discover the capabilities of the Blackmagic Pocket Cinema Camera series, including the 6K Pro, 6K, and 4K models. This comprehensive manual from Blackmagic Design guides users through installation, operation, and advanced features for professional video production.
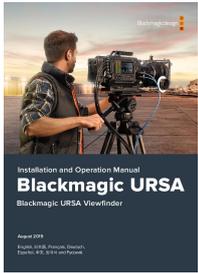
[Blackmagic Pocket Cinema Camera Installation and Operation Manual](#)
This comprehensive manual guides users through the installation and operation of the Blackmagic Pocket Cinema Camera, covering setup, recording, features, and settings for professional videography.
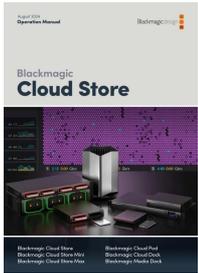
[Film and Digital Times Issue 127: Blackmagic URSA Cine 12K LF Camera Review](#)
Explore the September 2024 issue of Film and Digital Times, a leading guide for cinematographers and filmmakers. This issue features an in-depth review and technical overview of the Blackmagic URSA Cine 12K LF camera, covering its features, design, and applications in motion picture production.
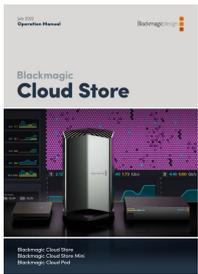
[Blackmagic URSA Installation and Operation Manual](#)
A comprehensive guide for the Blackmagic URSA digital cinema camera and URSA Viewfinder, covering installation, operation, recording, playback, and post-production workflows.

[Blackmagic Cloud Store Operation Manual](#)
Comprehensive operation manual for the Blackmagic Cloud Store series, detailing setup, features, and troubleshooting for high-speed, high-capacity network storage solutions used in professional media workflows.

[Blackmagic Cloud Store Operation Manual - High-Speed Media Storage Solutions](#)
Explore the Blackmagic Cloud Store, Cloud Store Mini, and Cloud Pod with this comprehensive operation manual. Learn setup, networking, cloud sync, backup, and more for professional media storage.