Canon EOS C400

Canon EOS C400 6K Full-Frame Cinema Camera Instruction Manual

Model: EOS C400 (6388C002)

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Canon EOS C400 6K Full-Frame Cinema Camera. Please read this manual thoroughly before operating the camera and retain it for future reference. The Canon EOS C400 is a professional cinema camera designed for high-quality video production, featuring a 6K full-frame sensor, advanced autofocus, and robust connectivity.

Figure 1.1: Canon EOS C400 6K Full-Frame Cinema Camera with various bundled accessories including microphones, monitor, memory cards, and headphones.

2. SETUP

2.1 Unpacking and Initial Inspection

Carefully unpack all components and verify that all items listed in your product documentation are present. Inspect the camera and accessories for any signs of damage. If any items are missing or damaged, contact your vendor immediately.

2.2 Battery Installation and Charging

The camera uses a Canon BP-A30N Battery Pack. Ensure the battery is fully charged before first use.

1. Insert the BP-A30N battery into the battery slot on the rear of the camera until it clicks into place.
2. To charge, connect the Canon CA-CP300B Compact Battery Charger or the Single Battery Charger to a power outlet and attach the battery. The charging indicator will show the charging status.

Figure 2.1: Rear view of the EOS C400, illustrating the battery compartment and various input/output ports such as USB, SDI Out, HDMI, and audio inputs.

2.3 Memory Card Installation

The EOS C400 supports CFexpress and SD memory cards. For 6K recording, high-speed CFexpress cards are recommended.

1. Open the memory card slot cover on the side of the camera.
2. Insert the CFexpress or SD card into the appropriate slot with the label facing the correct direction until it locks.
3. Close the memory card slot cover securely.

Figure 2.2: Side view of the EOS C400, displaying the control panel with buttons for MAGN, ISO/GAIN, ND FILTER, SHUTTER, S&F FPS, WFM, and the CFexpress and SD card slots.

2.4 Attaching the Handle Unit and Microphone Holder

Attach the handle unit and microphone holder for improved ergonomics and audio recording capabilities.

- Secure the handle unit to the top of the camera using the provided screws.
- Attach the microphone holder to the handle unit or a designated mounting point on the camera body.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

Locate the POWER switch on the side of the camera. Slide it to the 'ON' position to power on. Slide to 'OFF' to power off.

Figure 3.1: Another side view of the EOS C400, highlighting the POWER switch, media slots, and various control buttons.

3.2 Basic Recording

To begin recording, press the REC button. Press it again to stop recording. Ensure a formatted memory card is inserted and sufficient battery power is available.

3.3 Key Features and Settings

- **6K Full-Frame BSI CMOS Sensor:** The camera features a newly developed 6K full-frame back-illuminated stacked CMOS sensor, offering enhanced light sensitivity and up to 16 stops of dynamic range. It supports Super 35mm and Super 16mm shooting modes.
- **Triple Base ISO:** Utilize the triple base ISO system (800, 3200, 12,800) to optimize image quality across various lighting conditions, minimizing noise.
- **Dual Pixel CMOS AF II:** The advanced autofocus system with EOS iTR AF X technology provides precise tracking with face, eye, head, and animal detection across the entire sensor area.
- **Connectivity:** The camera offers 12G-SDI, HDMI, Ethernet, Wi-Fi, and timecode synchronization for professional workflows.

Figure 3.2: Front view of the EOS C400, showcasing the RF lens mount and AF LOCK button.

4. Maintenance

4.1 Cleaning the Camera

Regular cleaning helps maintain optimal performance. Use a soft, lint-free cloth for the camera body. For the lens and sensor, use specialized cleaning tools such as a blower brush and lens cleaning solution. Avoid harsh chemicals.

- Always power off the camera before cleaning.
- Use a blower to remove dust from the lens and sensor.
- For stubborn smudges, use a lens cleaning solution on a microfiber cloth.

4.2 Battery Care

To prolong battery life, avoid extreme temperatures and fully charge batteries before extended storage. Store batteries in a cool, dry place.

4.3 Storage

When not in use, store the camera in a dry, dust-free environment, preferably in a padded camera bag to protect it from physical damage and environmental elements.

5. Troubleshooting

If you encounter issues with your Canon EOS C400, refer to the following common troubleshooting steps:

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted. Check the power adapter if using external power.
- **Cannot record:** Verify that a memory card is inserted and has sufficient free space. Check if the card is formatted

correctly.

- **Autofocus issues:** Ensure the lens is clean and the AF mode is set appropriately for your shooting conditions. Check for sufficient lighting.
- **Image quality issues:** Review ISO settings, white balance, and exposure. Ensure the lens is clean and free from condensation.

For more complex issues, consult the official Canon support website or contact Canon customer service.

6. SPECIFICATIONS

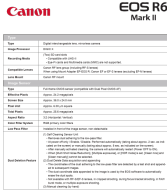| Feature	Detail
Brand	Canon
Model Name	EOS C400 (6388C002)
Photo Sensor Size	Full Frame (35mm)
Photo Sensor Technology	BSI CMOS
Video Resolution	2160p (6K capable)
Compatible Mountings	Canon RF
Image Stabilization	Sensor-shift
Special Features	Triple Base ISO, Dual Pixel CMOS AF II, Time-lapse, Slow Motion Recording, Robust Connectivity
Supported File Format	RAW, MP4
Memory Storage Capacity	128 GB (bundled)
Wireless Technology	Wi-Fi
Item Weight	20.9 Pounds (approx. with accessories)
Battery Type	Lithium Ion
UPC	724129292893

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This product comes with a 90-day limited warranty. Please refer to the warranty card included with your product for full terms and conditions. This warranty covers manufacturing defects and does not cover damage caused by misuse, accidents, or unauthorized modifications.

7.2 Customer Support

For technical assistance, service, or additional information, please visit the official Canon website or contact Canon customer support. Keep your product model number (EOS C400) and serial number ready when contacting support.

Related Documents - EOS C400

[Canon EOS C200 Digital Cinema Camera: Features, Specifications, and Workflow](#)
A comprehensive overview of the Canon EOS C200 Digital Cinema Camera, detailing its advanced features, sensor technology, recording formats (Cinema RAW Light, MP4), autofocus capabilities, professional workflows, and connectivity options.

[Canon EOS R6 Mark II Mirrorless Camera Specifications and Features](#)
Detailed technical specifications, features, and operational details for the Canon EOS R6 Mark II digital mirrorless camera, covering image sensor, autofocus, video capabilities, connectivity, and more.

[Canon EOS R6 Mark III Detailed Specifications](#)
Explore the comprehensive technical specifications of the Canon EOS R6 Mark III. This document details its full-frame CMOS sensor, DIGIC X image processor, RF mount, advanced autofocus, 4K and 7K RAW video capabilities, storage options, and more. Ideal for photographers and videographers seeking in-depth camera performance data.

[Canon EOS R5 C: Professional 8K Cinema Camera Technical Specifications](#)
Explore the advanced features and technical specifications of the Canon EOS R5 C, a hybrid cinema camera offering 8K/60p recording, high-speed performance, and professional video capabilities.

[Canon EOS R6 Mirrorless Camera Specifications and Features](#)
Comprehensive technical specifications and feature overview for the Canon EOS R6 digital interchangeable lens mirrorless camera, detailing its image sensor, recording system, autofocus capabilities, video recording options, connectivity, and physical attributes.

[Canon EOS M6 Mirrorless Camera: Features and Technical Specifications](#)
Discover the Canon EOS M6, a compact mirrorless camera designed for content creators. This document details its features, including Dual Pixel CMOS AF, Wi-Fi/Bluetooth connectivity, 24.2MP sensor, Full HD video capabilities, and comprehensive technical specifications.