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Canon EOS C70

Canon EOS C70 Cinema Camera Instruction Manual

Model: EOS C70

1. INTRODUCTION

The Canon EOS C70 Cinema Camera combines features from the Cinema EOS series with the EOS R series, delivering exceptional image quality and professional video capabilities in a compact and mobile form factor.

This camera is suitable for documentary, newsgathering, and corporate video production.

Key features include:

- Dual SD Card Slots for multiple recording options.
- High Frame Rate recording: 4K 120p and 2K Crop 180p.
- RC-V100 Support and LANC Compatibility.
- Electronic Image Stabilization (EIS) with Coordinated Control.
- Dual Pixel CMOS Autofocus with Touch AF and Face Detection.

2. SETUP

2.1 What's in the Box

The Canon EOS C70 package typically includes the camera body only. Lenses and other accessories are sold separately.

2.2 Battery Installation

The camera uses Lithium Ion batteries. Ensure batteries are fully charged before use. Insert the battery into the designated battery compartment until it clicks securely into place.

2.3 Lens Attachment

The EOS C70 features a built-in RF-lens mount. To attach an RF lens, align the red dot on the lens with the red dot on the camera's lens mount. Rotate the lens clockwise until it locks into position. For EF or EFS lenses, an adapter is required.

2.4 Memory Card Insertion

The camera is equipped with dual SD card slots. Open the memory card compartment cover and insert compatible SD cards (V90, UHS Speed Class 3 recommended for high-bitrate recording) into the slots until they click. Close the cover securely.



Figure 1: Front view of the Canon EOS C70 Cinema Camera, showcasing the RF lens mount and ergonomic grip. This image displays the Canon EOS C70 camera body from a front-side angle, highlighting the RF lens mount, the Canon logo, and the EOS C branding. The camera's robust build and textured grip are visible, along with the red record button.

3. OPERATING

3.1 Power On/Off

Locate the power switch on the camera body. Toggle it to the 'ON' position to power on the camera. To power off, toggle it back to the 'OFF' position.

3.2 Basic Controls

The EOS C70 features various buttons and dials for intuitive control:

- **Record Button:** Initiates and stops video recording.
- **ND Filter Dial:** Adjusts the built-in 2, 4, 6, 8, and 10-stop internal ND filter.
- **Assignable Buttons:** Customizable buttons for quick access to frequently used functions.
- **Joystick/Control Dial:** For menu navigation and setting adjustments.



Figure 2: Side view of the Canon EOS C70 Cinema Camera, highlighting input/output ports and control buttons.

This image shows the right side of the Canon EOS C70, detailing the various input and output ports such as INPUT 1, INPUT 2, MIC, USB, REMOTE, and HDMI. Several control buttons like ND FILTER, WB, DISP, PEAKING, ZEBRA, and WFM are also clearly visible, along with cooling vents.

3.3 Recording Video

The camera supports various recording formats and frame rates, including 4K 120p and 2K Crop 180p. Select your desired resolution and frame rate through the camera's menu system. Press the red record button to start and stop recording.

3.4 Autofocus System

Utilize the Dual Pixel CMOS Autofocus with Touch AF and Face Detection for precise and reliable focusing. Tap on the touchscreen to select your focus point or enable face detection for automatic tracking of subjects.

3.5 Internal ND Filters

The built-in ND filter system allows for quick adjustment of exposure in bright lighting conditions without changing aperture or shutter speed. Use the ND filter buttons to cycle through the available stops (2, 4, 6, 8, 10-stop).

3.6 Connectivity

The EOS C70 offers multiple connectivity options:

- **HDMI:** For external monitor output.
- **USB:** For data transfer and external device connection.
- **Wi-Fi:** For remote control and file transfer via a compatible app.
- **LANC:** For remote control accessories.



Figure 3: Front-side view of the Canon EOS C70 Cinema Camera, showing the hand strap and additional controls.

This image presents the Canon EOS C70 from a slightly different front-side angle, emphasizing the comfortable hand strap for secure gripping. The top-mounted 'ONE-SHOT AF' button and 'TIME CODE' port are also visible, along with the robust construction of the camera body.

4. MAINTENANCE

To ensure optimal performance and longevity of your Canon EOS C70, regular maintenance is recommended:

- Keep the camera body and lens clean using a soft, lint-free cloth.
- Avoid exposing the camera to extreme temperatures, humidity, or dust.
- Store the camera in a dry, cool place when not in use.
- Periodically check for firmware updates on the official Canon website.

5. TROUBLESHOOTING

If you encounter any issues with your Canon EOS C70, consider the following general troubleshooting steps:

- **Power Issues:** Ensure the battery is fully charged and correctly inserted. Try a different battery if available.
- **Recording Problems:** Check if the memory cards are properly inserted and have sufficient free space. Ensure the correct recording format is selected.
- **Autofocus Malfunction:** Verify that autofocus is enabled and the lens is correctly attached. Clean lens contacts if necessary.

- **Connectivity Issues:** For Wi-Fi, ensure the camera and device are within range and correctly paired. For wired connections, check cables and ports.

For more detailed troubleshooting, refer to the comprehensive user manual available on the official Canon support website.

6. SPECIFICATIONS

Feature	Specification
Brand	Canon
Model Name	EOS C70
Compatible Mountings	Canon RF
Photo Sensor Technology	CMOS
Photo Sensor Size	35mm
Supported File Format	MPEG-4
Image Stabilization	Dynamic
Dynamic Stops	16 Stops
Video Resolution	2160p (4K)
High Frame Rate	4K 120p, 2K Crop 180p
Autofocus Technology	Dual Pixel CMOS AF (Contra, Multi area, Phase Detection, sensor)
Display Type	LCD, Tilting, Capacitive Touchscreen
Flash Memory Type	SD (Dual Slots)
Connectivity Technology	HDMI, USB, Wi-Fi, LANC
Battery Type	Lithium Ion
Item Weight	7.04 Pounds

7. WARRANTY AND SUPPORT

This Canon EOS C70 Cinema Camera comes with a **90-day limited warranty**. For detailed terms and conditions, please refer to the warranty documentation included with your product or visit the official Canon support website.

For further assistance, technical support, or to download the full user manual, please visit the official Canon support website or contact their customer service.