

Sony ILCE-7CM2

Sony Alpha 7C II Full-Frame Mirrorless Camera User Manual

Model: ILCE-7CM2

Brand: Sony

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Sony Alpha 7C II full-frame mirrorless camera. Please read this manual thoroughly before using the camera and retain it for future reference. This camera combines a compact design with advanced imaging capabilities, featuring a 33-megapixel full-frame sensor and AI-powered subject recognition.

SETUP

1. Charging the Battery

Before first use, fully charge the supplied NP-FZ100 rechargeable battery pack. Connect the camera to a power source using the USB cable and AC adapter, or use an external battery charger (sold separately).

2. Inserting the Battery and Memory Card

1. Open the battery/memory card cover located on the side of the camera.
2. Insert the battery pack with the arrow pointing towards the camera until it locks into place.
3. Insert a compatible SD card (SDHC/SDXC, UHS-I/UHS-II recommended) into the memory card slot with the notched corner facing the correct direction until it clicks.
4. Close the cover securely.

撮影の自由度を高める バリエーション液晶モニター



Figure 1: Inserting the battery and memory card.

3. Attaching a Lens

1. Remove the body cap from the camera and the rear lens cap from the lens.
2. Align the white index mark on the lens with the white index mark on the camera body.
3. Mount the lens by turning it clockwise until it clicks into place.

OPERATING INSTRUCTIONS

1. Power On/Off

Slide the power switch located on the top of the camera to the ON or OFF position.



Figure 2: Camera top view with power switch and control dials.

2. Basic Shooting Modes

Rotate the mode dial to select your desired shooting mode:

- **Auto:** Camera automatically adjusts settings for optimal results.
- **P (Program Auto):** Camera sets aperture and shutter speed, you control other settings.
- **A (Aperture Priority):** You set aperture, camera sets shutter speed.
- **S (Shutter Priority):** You set shutter speed, camera sets aperture.
- **M (Manual Exposure):** You control both aperture and shutter speed.
- **Movie:** For video recording.

- **S&Q (Slow & Quick Motion):** For slow-motion or quick-motion video.



Figure 3: Control dials for mode selection and adjustments.

3. Autofocus and Subject Recognition

The camera features an advanced AI processing unit for enhanced subject recognition, including humans, animals, birds, insects, cars, trains, and airplanes. This allows for precise and reliable autofocus tracking.



Figure 4: AI-powered real-time subject recognition in action.

4. Image Stabilization

The Alpha 7C II incorporates 7.0-stop 5-axis in-body optical image stabilization, providing stable handheld shooting for both photos and videos. For video, an Active Mode further enhances stabilization.



Figure 5: In-body 5-axis image stabilization mechanism.

5. Video Recording

The camera supports internal 4K 30p recording with 7K oversampling, delivering high-resolution video. Use the dedicated Still/Movie/S&Q dial to quickly switch between modes.



Figure 6: High-resolution 4K video recording setup.

6. Vari-angle LCD Monitor and Electronic Viewfinder

The vari-angle LCD monitor offers flexibility for shooting from various angles, including selfies and vlogging. The high-performance electronic viewfinder provides a clear and bright view of your scene.



Figure 7: Vari-angle LCD monitor for flexible shooting.



Figure 8: High-performance electronic viewfinder.

MAINTENANCE

1. Cleaning the Camera Body

Wipe the camera body gently with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution specifically designed for camera bodies. Avoid using strong solvents or abrasive materials.

2. Cleaning the Lens and Sensor

Use a blower brush to remove dust from the lens surface. For smudges, use a lens cleaning solution and a microfiber cloth. Cleaning the image sensor should be done with extreme care, preferably by a professional service, to avoid

damage.

3. Battery Care

Store the battery in a cool, dry place when not in use. Do not expose it to extreme temperatures. If the camera will not be used for an extended period, remove the battery.

TROUBLESHOOTING

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted. Check if the power switch is in the ON position.
- **Images are blurry:** Check focus settings (autofocus or manual focus). Ensure the lens is clean. Verify shutter speed is appropriate for the lighting conditions and subject movement. Image stabilization should be enabled for handheld shots.
- **Memory card error:** Ensure the memory card is inserted correctly and is compatible. Try formatting the card (this will erase all data). If the issue persists, try a different memory card.
- **Video recording issues (e.g., blue screen, mosaic patterns):** This could indicate a setting mismatch or a faulty lens. Refer to the Sony support website for specific error codes or contact customer support.
- **Battery drains quickly:** Reduce screen brightness, turn off Wi-Fi/Bluetooth when not in use, and limit continuous shooting. Ensure the battery is not old or damaged.

SPECIFICATIONS

Feature	Specification
Model Name	ILCE-7CM2
Brand	Sony
Compatible Mount	Sony E-mount
Photo Sensor Technology	CMOS
Effective Still Resolution	33 MP
Max Video Resolution	4320p (4K)
Image Stabilization	Sensor-shift (5-axis optical in-body)
Optical Zoom	2x
Expanded ISO Minimum	50
Shutter Speed	1/8000 to 1/160 seconds
Continuous Shooting Speed	10 FPS
Autofocus Points	759 (Phase Detection)

Feature	Specification
Screen Size	7.5 cm (Vari-angle LCD)
Viewfinder Type	Electronic
Connectivity	Bluetooth, Micro HDMI, USB, Wi-Fi
Weight	429 grams
Included Components	Accessory shoe cap, Shoulder strap, Body cap, Rechargeable battery pack NP-FZ100, Lens cap/Rear lens cap

WARRANTY AND SUPPORT

Warranty Information

This product comes with a 1-year manufacturer's warranty. Please retain your proof of purchase for warranty claims.

Customer Support

For inquiries regarding Sony products, please visit the official Sony support website:<https://www.sony.jp/support/>
For inquiries related to Amazon orders or services, please contact Amazon Customer Support directly.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question