

Sony ILCE-7RM5

Sony Alpha 7R V Full-Frame Mirrorless Camera (ILCE-7RM5) User Manual

Model: ILCE-7RM5

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Sony Alpha 7R V Full-Frame Mirrorless Camera (ILCE-7RM5). Please read this manual thoroughly before operating the camera and retain it for future reference.

The Sony Alpha 7R V features a 61.0 MP full-frame back-illuminated Exmor R CMOS sensor, an advanced BIONZ XR engine, and a new AI processing unit for enhanced autofocus capabilities. It supports high-resolution still photography and up to 8K video recording.

2. CAMERA COMPONENTS

Familiarize yourself with the main components of your camera.



Figure 2.1: Front view of the Sony Alpha 7R V camera body, showing the E-mount lens connection with the protective cap installed. The grip and various control dials are visible.



Figure 2.2: Rear view of the Sony Alpha 7R V camera, illustrating the vari-angle LCD screen extended and rotated for flexible viewing. The electronic viewfinder and various control buttons are also visible.



Figure 2.3: Rear view of the Sony Alpha 7R V camera with the LCD screen in its closed position, displaying a landscape image. This shows the camera ready for use with the screen flush against the body.

3. SETUP

3.1. Charging and Installing the Battery

1. Insert the supplied battery into the battery charger.
2. Connect the charger to a power outlet. The charging indicator will illuminate.
3. Once charging is complete, remove the battery from the charger.
4. Open the battery cover on the bottom of the camera.
5. Insert the charged battery into the camera with the correct orientation until it locks into place.
6. Close the battery cover securely.

3.2. Inserting a Memory Card

The camera supports SDXC/SDHC memory cards and features two memory card slots.

1. Open the memory card slot cover on the side of the camera.
2. Insert a compatible memory card (e.g., SDXC/SDHC) into one of the slots with the correct orientation until it clicks.
3. Close the memory card slot cover securely.

3.3. Attaching a Lens

The Sony Alpha 7R V uses an E-mount lens system.

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 rotating it clockwise until it clicks into place.



Figure 3.1: Angled front view of the Sony Alpha 7R V camera, highlighting the E-mount and the robust camera body design.

3.4. Initial Power On

Turn the camera on using the ON/OFF switch. Follow any on-screen prompts for initial setup, such as setting the date, time, and language.

4. OPERATING THE CAMERA

4.1. Basic Shooting Modes

The mode dial allows you to select various shooting modes, including:

- **Program Auto (P):** The camera automatically sets the aperture and shutter speed.
- **Aperture Priority (A):** You set the aperture, and the camera sets the shutter speed.
- **Shutter Priority (S):** You set the shutter speed, and the camera sets the aperture.
- **Manual (M):** You set both the aperture and shutter speed.
- **Movie Mode:** For recording video.
- **Scene Selection (SCN):** Optimized settings for specific scenes like Landscape, Portrait, Sports.

4.2. Autofocus System

The Alpha 7R V features a next-generation AF system with Real-time Recognition autofocus powered by deep learning AI, offering 299 autofocus points.

- **AF-S (Single-shot AF):** Focuses when the shutter button is pressed halfway. Ideal for still subjects.
- **AF-C (Continuous AF):** Continuously focuses while the shutter button is pressed halfway. Ideal for moving

subjects.

- **AF-A (Automatic AF):** Camera automatically switches between AF-S and AF-C.
- **DMF (Direct Manual Focus):** Allows fine-tuning focus manually after autofocus.
- **Manual Focus (MF):** Focuses manually using the lens focus ring.

Utilize the dedicated AF-ON button for back-button focusing, separating focus activation from the shutter release.

4.3. Image Stabilization

The camera incorporates 5-axis in-body image stabilization (Sensor-shift type) to reduce blur caused by camera shake, especially beneficial when shooting handheld or in low light conditions.

4.4. Video Recording

The Alpha 7R V supports high-resolution video recording, including 8K 24p/25p and 4K 60p. To start recording, press the dedicated MOVIE button. Press it again to stop recording.

- Ensure sufficient memory card speed (V30 or higher recommended for 4K/8K).
- Monitor recording time and battery life, as high-resolution video consumes more power and storage.

4.5. Display and Viewfinder

The camera features a 3.2-inch vari-angle touch-sensitive LCD screen (OLED) and a high-resolution electronic viewfinder (EVF).

- Use the vari-angle LCD for shooting from various angles or for touch operations like focus point selection.
- The EVF provides a clear, real-time view of your scene, especially useful in bright conditions.

4.6. Connectivity

The camera offers various connectivity options:

- **USB:** For data transfer and charging.
- **Wi-Fi:** For wireless image transfer to a smartphone/tablet and remote control via the Imaging Edge Mobile app.
- **HDMI:** For connecting to an external monitor or TV for playback.

5. MAINTENANCE

5.1. Cleaning the Camera and Lens

- Use a soft, dry cloth to clean the camera body.
- For the lens and sensor, use a blower brush to remove dust. For stubborn spots, use specialized lens cleaning solutions and cloths. Avoid touching the sensor directly.
- Clean the LCD screen with a soft, lint-free cloth.

5.2. Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries frequently to prolong their lifespan.
- Do not expose batteries to extreme temperatures.

5.3. Firmware Updates

Periodically check the Sony support website for firmware updates. Firmware updates can improve camera performance, add new features, and fix bugs. Follow the instructions provided by Sony carefully when performing an update.

6. TROUBLESHOOTING

6.1. Common Issues and Solutions

- **Camera does not turn on:** Ensure the battery is charged and correctly inserted.
- **Cannot take pictures:** Check if a memory card is inserted and has sufficient space. Ensure the lens is properly attached.
- **Images are blurry:** Check focus mode, ensure image stabilization is active if needed, and verify shutter speed is appropriate for the lighting conditions.
- **Memory card error:** Reinsert the memory card. If the error persists, try a different card or format the card (*note: formatting will erase all data*).

For more detailed troubleshooting, refer to the comprehensive help guide available on the Sony support website.

7. SPECIFICATIONS

Feature	Specification
Model Name	Alpha 7R V (ILCE-7RM5)
Photo Sensor Resolution	61 MP
Photo Sensor Size	Full Frame (35mm)
Sensor Type	BSI CMOS
Image Stabilization	Sensor-shift (5-axis)
Compatible Mountings	Sony E-mount
Video Resolution	8K 24p/25p, 4K 60p
Continuous Shooting	10 FPS
Expanded ISO Maximum	51200
Autofocus Points	299
Screen Size	3.2 Inches
Display Type	OLED, Touch Screen (Capacitive)
Viewfinder	Electronic
Memory Slots	2 (SDXC/SDHC compatible)
Connectivity	USB, Wi-Fi, HDMI
Item Weight	3.3 Pounds

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Warranty coverage for your Sony Alpha 7R V camera may vary depending on your region of purchase and the specific retailer. It is crucial to verify the warranty terms and conditions at the time of purchase. Please retain your proof of purchase for any warranty claims.

Important Note: Some versions of this product may be considered 'grey market' items in certain regions, which could affect warranty validity. Always confirm with your seller or Sony directly regarding warranty support in your specific country.

8.2. Customer Support

For technical assistance, service, or further inquiries, please contact Sony customer support. Have your camera's model number (ILCE-7RM5) and serial number ready when contacting support.

You can typically find support resources, including detailed help guides, software downloads, and contact information, on the official Sony support website for your region.

Visit the [Sony Electronics Support website](#) for more information.