

Sony ILCE-9M3

Sony Alpha 9 III Mirrorless Camera: User Manual

Model: ILCE-9M3

1. INTRODUCTION

The Sony Alpha 9 III is a groundbreaking full-frame mirrorless interchangeable lens camera, featuring the world's first full-frame image sensor with a global shutter system. This advanced technology, combined with a 24.6MP sensor, next-generation autofocus, and high-speed continuous shooting, delivers unparalleled imaging performance for professionals.

This manual provides essential information for setting up, operating, and maintaining your Sony Alpha 9 III camera to ensure optimal performance and longevity.

2. WHAT'S IN THE BOX

- Camera Body & Accessories
- Body cap
- Eyepiece Cup
- Multi-interface Shoe Cap
- Rechargeable Battery

3. KEY FEATURES OVERVIEW

The Alpha 9 III integrates several advanced technologies designed to enhance photographic and videographic capabilities:

- **World's First Full-Frame Global Shutter:** Unlike traditional rolling shutters, the global shutter exposes and

reads all pixels simultaneously, eliminating distortion in fast-moving subjects.

- **Blackout-Free 120fps Continuous Shooting:** Capture decisive moments with full AF/AE tracking without viewfinder blackout, ensuring a seamless shooting experience.
- **1/80,000s Maximum Shutter Speed:** Freeze ultra-fast action with exceptional clarity. Compatible flash units can synchronize at all shutter speeds.
- **24.6MP Exmor RS Image Sensor:** A stacked CMOS architecture with integral memory provides high resolution, overwhelming speed, and simultaneous full-pixel readout.
- **Evolved BIONZ XR Image Processing Engine:** Offers up to eight times more processing power, minimizing latency and boosting image quality with improved color gradation and reduced noise.
- **Advanced AI Processing Unit:** Supports enhanced subject recognition for humans, animals, birds, insects, cars/trains, and airplanes, including specific recognition of helmets and animal eyes.
- **4K (3840 x 2160) 120p Movie Recording:** Achieve high-quality video without cropping, utilizing the full angle of view of any lens.
- **8.0-Step In-Body Image Stabilization:** Effectively detects and corrects camera shake for blur-free shooting, even at telephoto focal lengths.
- **Pre-Capture Function:** Records moments before the shutter is fully pressed, ensuring critical split-second events are not missed.

4. PRODUCT OVERVIEW



Front view of the Sony Alpha 9 III Mirrorless Camera.



Rear view of the camera, showcasing the articulating LCD screen.

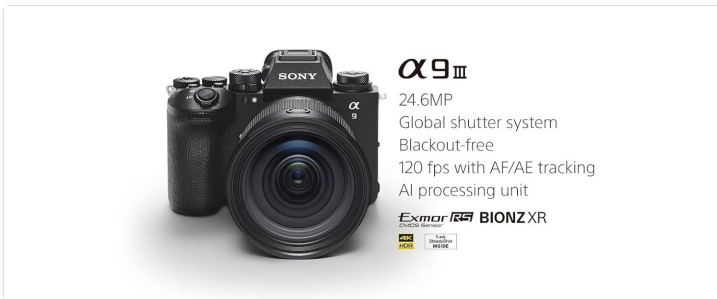
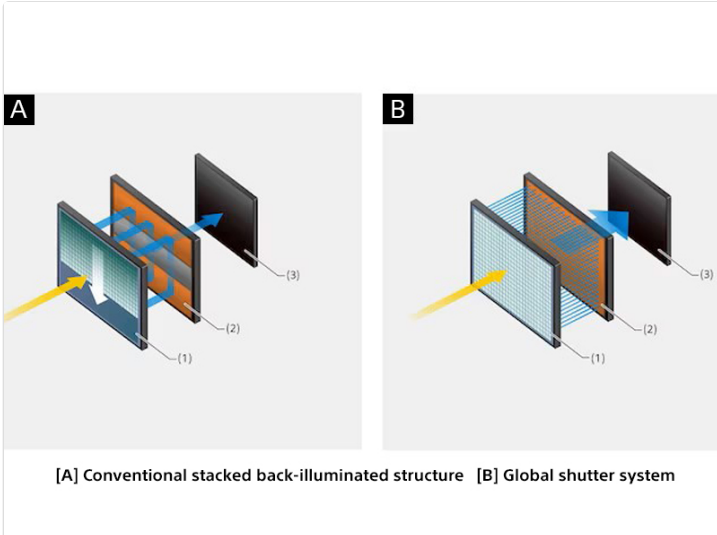


Diagram illustrating the difference between a conventional rolling shutter and the global shutter system.



Detailed view of the Exmor RS CMOS sensor, central to the camera's performance.



The powerful BIONZ XR image processing engine, responsible for high-speed data handling.

Official Product Overview Video

This video provides a concise overview of the Sony Alpha 9 III's primary features and capabilities.

5. SETUP

5.1. Charging the Battery

1. Insert the supplied rechargeable battery (NP-FZ100) into the battery charger.
2. Connect the battery charger to a power outlet using the supplied power cord.
3. The charge lamp will illuminate during charging and turn off when charging is complete.

5.2. Inserting a Memory Card

1. Open the memory card cover.
2. Insert a CFexpress Type A card or an SD (UHS-II/UHS-I) card into the card slot with the terminal facing the correct direction until it clicks into place. The camera supports two memory slots.
3. Close the memory card cover.

5.3. 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 (E-mount).
3. Mount the lens by rotating it clockwise until it clicks into place.

6. OPERATING THE CAMERA

6.1. Power On/Off

Slide the ON/OFF switch located on the top of the camera to power it on or off.

6.2. Basic Shooting Modes

Rotate the Mode Dial on the top of the camera to select your desired shooting mode:

- **Program Auto (P):** The camera automatically sets 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 aperture and shutter speed.
- **Auto:** Fully automatic shooting.

6.3. Autofocus and Subject Tracking

The Alpha 9 III features an advanced autofocus system with AI-assisted subject recognition. Use the AF-ON button or half-press the shutter button to activate autofocus. Navigate through the menu to select specific recognition targets (Human, Animal, Bird, Car/Train, Airplane) for optimized tracking.

6.4. Continuous Shooting

Set the drive mode to continuous shooting (Hi+, Hi, Mid, Lo) via the menu or dedicated dial. The camera can achieve up to 120 frames per second with full AF/AE tracking, ideal for capturing fast-paced action.

7. VIDEO RECORDING

The Alpha 9 III offers robust video capabilities:

- **4K 120p Recording:** Record stunning 4K video at 120 frames per second without any crop, providing full sensor readout.

- **File Format:** Supports XAVC S, XAVC HS, and XAVC S-I for various quality and compression needs.
- **Connectivity:** Features HDMI and Ethernet ports for external monitoring, recording, and live streaming.

To start recording, ensure the camera is in video mode (if applicable) and press the dedicated MOVIE button.

8. MAINTENANCE

8.1. Cleaning the Camera

- Use a soft, dry cloth to wipe the camera body.
- For the lens and image sensor, use a blower brush to remove dust. For stubborn spots, use a lens cleaning solution and a microfiber cloth.
- Avoid using organic solvents such as thinner or benzene.

8.2. Storage

When not in use for extended periods, store the camera in a cool, dry place away from direct sunlight and moisture. Remove the battery before long-term storage.

9. TROUBLESHOOTING

If you encounter issues with your camera, consider the following general troubleshooting steps:

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Images are blurry:** Check focus settings, image stabilization, and shutter speed. Ensure the lens is clean.
- **Memory card error:** Reinsert the memory card or try a different card. Ensure the card is compatible and not full.
- **Overheating:** Prolonged video recording or continuous shooting in high temperatures may cause the camera to overheat. Allow it to cool down.

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

10. SPECIFICATIONS

Feature	Specification
Model Name	Alpha 9 III
Model Number	ILCE-9M3
Effective Still Resolution	24.6 MP
Photo Sensor Size	Full Frame (35mm)
Sensor Type	BSI CMOS (Global Shutter)
Maximum Shutter Speed	1/80000 Seconds

Continuous Shooting	120 FPS (Blackout-Free)
Video Resolution	2160p (4K 120p without cropping)
Image Stabilization	Optical (8.0-step)
Autofocus Points	759
Display Type	3-inch Articulating Touchscreen LCD
Memory Slots	2 (CFexpress Type A / SD UHS-II)
Connectivity Technology	Ethernet, HDMI, Micro USB, Bluetooth, Wi-Fi
Item Weight	1.6 Pounds

11. WARRANTY AND SUPPORT

Your Sony Alpha 9 III Mirrorless Camera comes with a **1-year manufacturer limited warranty**.

For further support, product registration, or to access additional resources, please visit the [Official Sony Store](#) or contact Sony customer service.
