

## Sony ILCE9M2/B

# Sony Alpha 9 II Mirrorless Camera Instruction Manual

Model: ILCE9M2/B

## 1. INTRODUCTION

The Sony Alpha 9 II (ILCE9M2/B) is a professional-grade 24.2MP Full Frame Mirrorless Interchangeable Lens Digital Camera designed for high-speed performance and robust connectivity. It is engineered to meet the demanding needs of sports photographers and photojournalists, offering exceptional speed, autofocus capabilities, and reliable operation in various environments.

Key features include blackout-free continuous shooting at up to 20 frames per second with continuous Auto Focus (AF) and Auto Exposure (AE) tracking, and advanced Real-time AF tracking for precise subject acquisition. Its built-in connectivity options facilitate efficient workflow for professionals.

## 2. WHAT'S IN THE BOX

Upon unboxing your Sony Alpha 9 II, please ensure all the following items are present:

- Camera Body Only (ILCE9M2/B)
- Power cord
- NP-FZ100 Rechargeable Lithium-Ion Battery (7.2 VDC, 2280 mAh)
- Cable protector
- Battery charger
- Shoulder strap
- Body cap
- Accessory shoe cap
- Eyepiece cup
- USB cable

## 3. INITIAL SETUP

### 3.1. Attaching the Lens

The Sony Alpha 9 II uses a Sony E-mount for interchangeable lenses. To attach a lens, align the white index mark on the lens barrel with the white index mark on the camera's lens mount. Rotate the lens clockwise until it clicks into place.



Figure 3.1: Front view of the Sony Alpha 9 II camera body, showing the E-mount. Align the lens with the white index mark on the mount.

### 3.2. Inserting the Battery and Memory Card

Open the battery/memory card cover located at the bottom of the camera. Insert the NP-FZ100 battery with the orange terminal facing the correct direction as indicated by the diagram inside the compartment. Insert up to two SD memory cards into the slots until they click. Close the cover securely.



Figure 3.2: Left side view of the camera with the battery and dual memory card slots visible. The camera supports two SD card slots.

## 4. OPERATING BASICS

### 4.1. Powering On/Off

To power on the camera, rotate the power switch located around the shutter button to the "ON" position. To power off, rotate it to "OFF".



Figure 4.1: Top view of the camera, highlighting the power switch around the shutter button and various control dials.

## 4.2. Rear Controls and Display

The rear of the camera features a 3-inch tilting LCD touchscreen and an electronic viewfinder. Key controls include the multi-selector joystick, control wheel, function (Fn) button, menu button, and playback button. The tilting screen allows for flexible shooting angles.



Figure 4.2: Rear view of the camera, displaying the LCD screen, electronic viewfinder, and various control buttons for navigation and settings adjustment.

## 5. ADVANCED FEATURES

### 5.1. Autofocus System

The Alpha 9 II boasts an evolved Artificial Intelligence autofocus system with Real Time AF tracking and Real Time Eye AF for humans, animals, and movies. It features a 693-point phase-detection AF system for accurate and rapid image acquisition.

For a visual demonstration of the autofocus capabilities, please refer to the video below:

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Video 5.1: Autofocus Feature for Sony a9 II Mirrorless Camera. This video demonstrates the camera's advanced autofocus tracking capabilities.

### 5.2. Continuous Shooting

Experience unmatched performance with blackout-free continuous shooting at up to 20 frames per second (fps) with continuous AF/AE tracking. For mechanical shutter, it supports up to 10 fps continuous shooting.

### 5.3. 4K Video Recording

The camera supports 4K recording with interval shooting, S&Q Motion, and 2.4x oversampling with full pixel readout without binning, ensuring high-quality video output.

Learn more about high frame rate video recording on Sony cameras:

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Video 5.2: Everything you need to know: Sony's High Frame Rate tools. This video provides an in-depth look at using high frame rate features for video recording.

### 5.4. Connectivity

The Alpha 9 II offers upgraded connectivity with high-speed 2.4 or 5 GHz Wi-Fi, up to 1 Gbps Ethernet, and secure FTP transfer (FTPS) for increased data security and efficient file delivery.

### 5.5. Voice Memo Function

Attach a voice memo (.wav) to photo files or use voice-to-text for IPTC data, streamlining your post-production workflow.

## 6. MAINTENANCE AND CARE

- **Cleaning the Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, slightly dampen the cloth with water. Avoid using organic solvents.
- **Cleaning the Lens:** Use a lens blower to remove dust. For smudges, use a soft lens cleaning cloth with a small amount of lens cleaning solution.
- **Sensor Cleaning:** If dust adheres to the image sensor and cannot be removed by the camera's cleaning function, consult a Sony service center.
- **Battery Care:** Store batteries in a cool, dry place. Charge them fully before extended storage and recharge every 6-12 months to maintain battery health.
- **Storage:** When not in use, store the camera in a dry, well-ventilated area, preferably in a camera bag or case to protect it from dust and impact.

## 7. TROUBLESHOOTING

Problem	Possible Cause / Solution
Camera does not power on.	Ensure battery is fully charged and correctly inserted. Check if the battery terminals are clean.
Images are blurry.	Check focus mode (AF-C for moving subjects). Ensure sufficient lighting. Use a higher shutter speed or image stabilization.
Memory card error.	Reinsert the memory card. Try a different card. Format the card (this will erase all data).
Wi-Fi connection issues.	Ensure Wi-Fi is enabled on the camera and the connected device. Check network settings and signal strength.

## 8. SPECIFICATIONS

Feature	Detail
Model Name	Alpha 9 II (ILCE9M2/B)
Sensor Type	Full Frame (35mm) Stacked Exmor RS CMOS
Effective Still Resolution	24.2 MP
Image Processor	BIONZ X
Autofocus Points	693-point Phase-Detection AF System
Continuous Shooting	Up to 20 fps (electronic shutter), 10 fps (mechanical shutter)
Video Resolution	4K (2160p)
Image Stabilization	5-Axis SteadyShot INSIDE Stabilization
Display Type	3-inch Tilting LCD Touchscreen
Connectivity	Bluetooth, Wi-Fi (2.4/5 GHz), USB, Micro-HDMI, Ethernet (1 Gbps)
Weight	1.3 Pounds (Body Only)

## 9. WARRANTY AND SUPPORT

The Sony Alpha 9 II (ILCE9M2/B) comes with a **1-year manufacturer's warranty**.

For technical support, service, or warranty claims, please visit the official Sony support website or contact their customer service. You can find more information and resources on the [Sony Store on Amazon](#).