

[Manuals.plus](#) /

› [Nikon](#) /

› Nikon Z6 III User Manual

Nikon 1890

Nikon Z6 III User Manual

Full-Frame Mirrorless Stills/Video Camera

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation of your Nikon Z6 III camera. Please read this manual thoroughly before using the camera and keep it for future reference.

The Nikon Z6 III is a full-frame mirrorless camera designed for both stills and video production, featuring a partially-stacked 24.5MP CMOS sensor and the powerful EXPEED 7 processor. It offers advanced autofocus capabilities, exceptional low-light performance, and high-resolution video recording.

2. SETUP

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the 'What's in the Box' section of the specifications are present and undamaged.

- Nikon Z6 III Camera Body
- Battery
- Strap
- USB Cable
- Body Cap

2.2 Attaching a Lens

Align the mounting mark on the lens with the mounting mark on the camera body. Rotate the lens clockwise until it clicks into place. Ensure the camera is powered off before attaching or detaching a lens.



Figure 2.2.1: Front view of the Nikon Z6 III camera body, showing the Z mount for lens attachment.

2.3 Inserting Battery and Memory Card

Open the battery chamber cover located at the bottom of the camera. Insert the battery with the correct orientation until it locks into place. The camera supports both CFexpress Type B and SD memory cards. Insert the memory card(s) into the designated slots until they click.



Figure 2.3.1: Rear view of the Nikon Z6 III with the vari-angle LCD screen extended and the memory card door open, showing the dual card slots (CFexpress and SD).



Figure 2.3.2: Bottom view of the Nikon Z6 III, highlighting the battery compartment and tripod mount.

3. OPERATING THE CAMERA

3.1 Power 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 3.1.1: Top view of the Nikon Z6 III, showing the power switch around the shutter button and the mode dial.

3.2 Basic Shooting Modes

The mode dial allows you to select various shooting modes, including Programmed auto (P), Shutter-priority auto (S), Aperture-priority auto (A), and Manual (M). For beginners, the 'Auto' mode provides automatic settings for most situations.

3.3 Autofocus System

The Z6 III features an advanced autofocus system with multi-subject recognition, inherited from Nikon's flagship models. It offers AF detection options down to -10EV and is approximately 20% faster than the Z6II. You can select different AF-area modes and subject detection options (People, Animal, Vehicle, Airplanes) via the menu or customizable function buttons.

Your browser does not support the video tag.

Video 3.3.1: Official Nikon Inc. video showcasing the Z6III's autofocus capabilities and performance in various shooting scenarios.

3.4 Video Recording

The Z6 III supports 6K/60p internal N-RAW video recording, oversampled 4K UHD, 4K/120p, and Full HD/240p for 10X slow motion. It includes professional monitoring tools and line-in audio support. To start recording, press the dedicated video record button.

Your browser does not support the video tag.

Video 3.4.1: A quick review of the Nikon Z6 III, highlighting its hybrid capabilities for both stills and video, including 4K/60p recording and fast autofocus.

4. MAINTENANCE

4.1 Cleaning the Camera

Use a soft, lint-free cloth to clean the camera body. For the lens and sensor, use specialized cleaning tools and solutions. Avoid using harsh chemicals or abrasive materials.

4.2 Battery Care

Always use genuine Nikon batteries. Store batteries in a cool, dry place. Do not expose batteries to extreme temperatures or direct sunlight. Charge the battery fully before each use for optimal performance.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Camera does not power on	Battery depleted or incorrectly inserted	Charge battery, ensure correct insertion
Images are blurry	Incorrect focus, low shutter speed, lens not clean	Check focus mode, increase shutter speed, clean lens
Memory card error	Card full, corrupted, or incompatible	Delete files, format card, use compatible card

For more detailed troubleshooting, refer to the full online manual or contact Nikon support.

6. SPECIFICATIONS

Feature	Detail
Model Name	Z6III FX-format Mirrorless Camera Body
Model Number	1890
Brand	Nikon
Photo Sensor Resolution	24.5 MP
Video Resolution	6K/60p Internal N-Raw
Image Stabilization	Sensor-shift
ISO Range	100-64000 (Expanded up to Hi 1.7 / 204800)
Display Type	Articulating LCD (3.2 Inches)
Connectivity	Bluetooth, Wi-Fi, USB, HDMI
UPC	018208959655, 018208018901

7. WARRANTY AND SUPPORT

7.1 Manufacturer's Warranty

This product comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please visit the [Nikon Store on Amazon](#) or refer to the official Nikon support website.

© 2025 Nikon. All rights reserved.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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