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> [Nikon](#) /

> [Nikon Z6 III Full-Frame Mirrorless Camera with NIKKOR Z 24-70mm f/4 S Lens User Manual](#)

## Nikon Z6III

# Nikon Z6 III Full-Frame Mirrorless Camera with NIKKOR Z 24-70mm f/4 S Lens User Manual

Model: Z6III | Brand: Nikon

[Introduction](#)

[What's  
Included](#)

[Setup  
Specifications](#)

[Operating the  
Camera  
Warranty & Support](#)

[Maintenance](#)

[Troubleshooting](#)

## 1. INTRODUCTION

The Nikon Z6 III is a full-frame mirrorless camera designed for both stills and video production. This kit includes the NIKKOR Z 24-70mm f/4 S lens, offering versatile focal lengths and consistent aperture. The camera features a partially-stacked 24.5MP CMOS sensor and an EXPEED 7 processor, enabling advanced autofocus with multi-subject detection, exceptional low-light performance, and high-speed continuous shooting up to 120 fps. Video capabilities include 6K/60p internal RAW recording and Full HD/240p for slow-motion effects. The bright, high-resolution electronic viewfinder (EVF) with wide color gamut ensures clear viewing in various conditions.



Figure 1: Nikon Z6 III with NIKKOR Z 24-70mm f/4 S Lens.

## 2. WHAT'S INCLUDED

Your Nikon Z6 III kit includes the following components:

- Camera Body
- NIKKOR Z 24-70mm f/4 S Lens
- EN-EL15c Rechargeable Li-ion Battery
- Nikon Camera Strap
- USB Type-C Charging and Transfer Cable

# What's included:



**EN-EL15c Rechargeable  
Li-ion Battery**

**Nikon  
Camera Strap**

**USB Type-C Charging  
and Transfer Cable**

Figure 2: Included accessories with the Nikon Z6 III kit.

## 3. SETUP

### 3.1. Charging the Battery

Before initial use, fully charge the EN-EL15c Li-ion battery using the supplied USB Type-C cable and a compatible USB power adapter (sold separately). The charging indicator on the camera will show the charging status.

### 3.2. Inserting Memory Cards

The Z6 III features dual card slots. Insert compatible SD cards (UHS-II recommended for video) into the designated slots. Ensure the cards are inserted correctly until they click into place.



Figure 3: Dual card slots for memory cards.

### 3.3. Attaching the Lens

Align the mounting mark on the NIKKOR Z 24-70mm f/4 S lens with the mounting mark on the camera body. Rotate the lens clockwise until it clicks securely into place. To detach, press the lens release button and rotate counter-clockwise.



Lens shown may not match selected buying option.

Figure 4: Attaching the NIKKOR Z lens to the camera body.

## 4. OPERATING THE CAMERA

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### 4.1. 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'.

### 4.2. Electronic Viewfinder (EVF)

The Z6 III features a high-resolution EVF with 5760k-dot resolution and a 120 fps refresh rate. This provides a clear and detailed view for comfortable framing, even in bright conditions or when tracking fast-moving subjects.



Figure 5: Using the EVF for high-speed photography.

### 4.3. Autofocus System

The camera incorporates an advanced autofocus system with multi-subject recognition, powered by Nikon's Deep Learning technology. It offers AF detection down to -10EV and is approximately 20% faster than the Z6II, accurately detecting human faces as small as 3% of the frame. You can select various AF modes and subject detection options via the camera's menu.



Figure 6: Intelligent autofocus with subject recognition.

#### 4.4. Video Recording

The Z6 III supports 6K/60p internal N-RAW video recording, oversampled 4K UHD, 4K/120p, and Full HD/240p for slow motion. It also includes Hi-Res Zoom, line-in audio, and professional monitoring tools. Access video settings through the camera's menu to select resolution, frame rate, and file format.

Your browser does not support the video tag.

Video 1: Behind the Scenes with the Nikon Z6 III, showcasing its video capabilities and features like N-RAW and autofocus in a welding environment. Creator: Nikon Inc.

#### 4.5. ISO Sensitivity

The camera offers a wide ISO sensitivity range of 100-64000, expandable up to Hi 1.7 (equivalent to ISO 204800). This allows for excellent performance in various lighting conditions, from bright daylight to extremely low light.

#### 4.6. Flexible Picture Control

Customize your image's color profile in NX Studio and upload it as a Custom Picture Control directly to your Z6 III. This feature provides creative flexibility to achieve your desired look for both stills and video.



Figure 7: Camera to cloud connectivity for creative color presets.

## 4.7. Connectivity

The Z6 III supports Bluetooth, HDMI, USB, and Wi-Fi connectivity. Use these features for remote control, image transfer to smart devices, and external monitoring.



Figure 8: Nikon Z6 III with video rig setup.

## 5. MAINTENANCE

To ensure optimal performance and longevity of your Nikon Z6 III, follow these maintenance guidelines:

- **Cleaning the Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, lightly dampen the cloth with distilled water. Avoid using alcohol, thinners, or other volatile chemicals.
- **Cleaning the Lens:** Use a lens brush to remove dust from the lens surface. For smudges or fingerprints, use a lens cleaning solution and a microfiber cloth. Always clean from the center outwards in a circular motion.
- **Sensor Cleaning:** The Z6 III has an automatic sensor cleaning function. If dust spots persist, consult a professional Nikon service center for manual sensor cleaning.

- **Storage:** When not in use for extended periods, store the camera in a cool, dry, well-ventilated area, away from direct sunlight and high humidity. Remove the battery to prevent leakage.
- **Firmware Updates:** Regularly check the Nikon website for firmware updates to ensure your camera has the latest features and performance enhancements.



Figure 9: Durable construction of the Nikon Z6 III.

## 6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Nikon Z6 III camera. For more detailed troubleshooting, refer to the full digital manual available on the Nikon support website.

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or incorrectly inserted.	Ensure battery is fully charged and correctly inserted. Check battery contacts for dirt.
Images are blurry.	Incorrect focus, camera shake, or dirty lens.	Check autofocus settings, use a faster shutter speed, enable image stabilization, or clean the lens.
Memory card error.	Card is full, corrupted, or incompatible.	Delete unnecessary files, format the card (this will erase all data), or try a different compatible card.
Video recording stops unexpectedly.	Memory card speed is too slow or camera overheating.	Use a faster memory card (e.g., V60 or higher). Allow the camera to cool down if it's been recording for extended periods.

## 7. SPECIFICATIONS

Feature	Detail
<b>Model Name</b>	Z6III FX-format Mirrorless Camera Body w/ NIKKOR Z 24-70mm f/4 S
<b>Brand</b>	Nikon
<b>Sensor Type</b>	Partially-stacked CMOS
<b>Photo Sensor Resolution</b>	24.5 MP
<b>Photo Sensor Size</b>	Full Frame (35mm)
<b>Compatible Mountings</b>	Nikon Z

Feature	Detail
Image Stabilization	Sensor-shift
Video Resolution	Up to 6K/60p Internal N-RAW
Continuous Shooting	120 FPS (electronic shutter)
ISO Sensitivity Range	100-64000 (expandable to Hi 1.7 / 204800)
Autofocus Points	299
Viewfinder	Electronic, 5760k-dot, 120 fps refresh rate
Screen Size	3.2 Inches, Articulating LCD, Capacitive Touch Screen
Connectivity Technology	Bluetooth, HDMI, USB, Wi-Fi
Flash Memory Type	SD (Dual Slots)
Item Weight	2.58 Pounds
UPC	018208959662, 018208018925
Model Number	1892

## 8. WARRANTY & SUPPORT

### 8.1. Manufacturer's Warranty

The Nikon Z6 III comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. For full terms and conditions, refer to the warranty card included in your product packaging or visit the official Nikon support website.

### 8.2. Customer Support

For technical assistance, service, or additional product information, please visit the official Nikon support website or contact Nikon customer service. You can find contact details and FAQs on the [Nikon Store on Amazon](#) or the main Nikon website.

