

[Manuals.plus](#) /

› [Nikon](#) /

› Nikon Z6 FX-Format Mirrorless Camera with NIKKOR Z 24-70mm f/4 S Lens User Manual

Nikon Z6

Nikon Z6 FX-Format Mirrorless Camera with NIKKOR Z 24-70mm f/4 S Lens User Manual

Model: Z6 (1598)

INTRODUCTION

The Nikon Z6 is an FX-format mirrorless camera designed for photographers seeking a balance of resolution, speed, and low-light performance. This manual provides essential information for the proper use and care of your camera and the included NIKKOR Z 24-70mm f/4 S lens.



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

WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- Nikon Z6 Camera Body & NIKKOR Z 24-70mm f/4 S Lens
- EN-EL15b Rechargeable Li-ion Battery
- MH-25a Battery Charger
- UC-E24 USB Cable
- HDMI/USB Cable Clip
- BS-1 Accessory Shoe Cap
- AN-DC19 Strap
- BF-N1 Body Cap
- DK-29 Rubber Eyecup

SETUP

1. Charging and Inserting the Battery

1. Insert the EN-EL15b battery into the MH-25a charger. Connect the charger to a power outlet. The charge lamp will blink while charging and turn off when complete.
2. Open the battery chamber cover on the bottom of the camera.
3. Insert the charged battery into the camera, ensuring it clicks into place. Close the battery chamber cover.

2. Inserting a Memory Card

The Nikon Z6 uses XQD or CFExpress memory cards. Only one memory card slot is available.

1. Open the memory card slot cover on the side of the camera.
2. Insert the XQD or CFExpress card into the slot with the label facing the correct direction until it clicks.
3. Close the memory card slot cover.

3. Attaching the Lens

1. Remove the body cap from the camera and the rear lens cap from the NIKKOR Z 24-70mm f/4 S lens.
2. Align the mounting mark on the lens with the mounting mark on the camera body.
3. Rotate the lens counter-clockwise until it clicks into place.

4. Initial Power-On and Basic Settings

1. Turn the camera on using the power switch.
2. Follow the on-screen prompts to set the language, date, and time.

OPERATING THE CAMERA

Basic Controls and Shooting Modes

The Z6 features a familiar Nikon control layout. The mode dial allows selection of various shooting modes:

- **P (Programmed Auto):** Camera sets shutter speed and aperture for optimal exposure.
- **S (Shutter-Priority Auto):** User sets shutter speed, camera sets aperture.
- **A (Aperture-Priority Auto):** User sets aperture, camera sets shutter speed.
- **M (Manual):** User controls both shutter speed and aperture.
- **U1, U2, U3 (User Settings):** Save and recall custom camera settings.

Autofocus System

The Z6 utilizes a 273-point hybrid autofocus system. Key focus modes include:

- **AF-S (Single-servo AF):** For stationary subjects. Focus locks when the shutter-release button is pressed halfway.
- **AF-C (Continuous-servo AF):** For moving subjects. Camera continuously adjusts focus while the shutter-release button is pressed halfway.
- **MF (Manual Focus):** User adjusts focus manually using the lens focus ring. Focus peaking is available to assist.

Video Recording

The Z6 supports 4K UHD (3840 x 2160) and Full HD (1920 x 1080) video recording. To start recording, rotate the photo/video selector to the video camera icon and press the red record button.

Image Stabilization (VR)

The camera features 5-axis in-body sensor-shift vibration reduction (VR), providing image stabilization for both still photography and video, regardless of the attached NIKKOR Z lens. This also benefits F-mount NIKKOR lenses when used with the FTZ adapter.

Connectivity

The Z6 offers various connectivity options:

- **Wi-Fi and Bluetooth:** For wireless connection to smart devices via the Nikon SnapBridge app.
- **HDMI:** For connecting to external monitors or recorders.
- **USB-C:** For data transfer and in-camera battery charging (when camera is off).

MAINTENANCE

Cleaning the Camera and Lens

- Use a blower brush to remove dust from the lens and camera body.
- For stubborn smudges on the lens, use a lens cleaning solution and a microfiber cloth.
- Avoid touching the image sensor directly. If sensor cleaning is required, use the camera's sensor cleaning function or consult a professional service center.

Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries frequently to prolong their lifespan.
- Use only genuine Nikon batteries and chargers.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Camera does not turn on.	Ensure battery is charged and correctly inserted. Check battery contacts for dirt.
Images are blurry.	Check focus mode (AF-S/AF-C/MF). Ensure lens is clean. Use a faster shutter speed or higher ISO in low light. Verify VR is enabled if needed.
Memory card error.	Reinsert the memory card. Try a different compatible XQD/CFExpress card. Format the card (this will erase all data).
Battery drains quickly.	Reduce screen brightness. Limit Wi-Fi/Bluetooth usage. Turn off camera when not in use. Consider purchasing an additional EN-EL15b battery.
Cannot connect to smartphone via SnapBridge.	Ensure Wi-Fi and Bluetooth are enabled on both camera and smartphone. Update SnapBridge app to the latest version. Restart both devices.

SPECIFICATIONS

Feature	Detail
Model Name	Nikon Z6

Feature	Detail
Sensor Type	FX-Format (35mm) BSI CMOS
Effective Still Resolution	24.5 MP
Image Processor	EXPEED 6
Lens Mount	Nikon Z Mount
Included Lens	NIKKOR Z 24-70mm f/4 S
Autofocus System	273-point Hybrid AF
Image Stabilization	5-axis In-Body Optical VR
ISO Sensitivity	ISO 100-51200 (Expandable to 50-204800)
Maximum Shutter Speed	1/8000 seconds
Continuous Shooting	Up to 12 fps
Video Resolution	4K UHD 2160p, FHD 1080p
Display	3.2-inch Tilting Touchscreen LCD (2.1M dots)
Viewfinder	Electronic Viewfinder (0.8x magnification)
Memory Card Slot	1x XQD/CFExpress
Connectivity	Wi-Fi, Bluetooth, HDMI, USB-C
Battery Type	EN-EL15b Rechargeable Li-ion
Dimensions (Approx.)	134 x 100.5 x 67.5 mm (Body only)
Weight (Approx.)	585 g (Body only, with battery and memory card)

WARRANTY AND SUPPORT

Limited Warranty

All new Nikon cameras, lenses, Speedlights, and accessories include a one-year limited warranty. During this period, if the product is found to be defective in material or workmanship, Nikon Inc. or one of its authorized repair facilities will either repair or replace the product without charge, provided it meets the terms of the warranty. No registration or warranty card is needed; retain your original dated proof-of-purchase for warranty service. Product registration is recommended for updates and service issues.

Additional Resources

For a more detailed user guide, please refer to the official PDF manual available at [Nikon Z6 User Manual \(PDF\)](#)

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

Open the live page

<https://manuals.plus/asin/B07GPH7M5X>

More documents and user manuals: <https://manuals.plus/>