

Nikon 1659

Nikon Z 6II Digital Camera User Manual

Model: 1659 | Brand: Nikon

INTRODUCTION

The Nikon Z 6II is a versatile full-frame mirrorless hybrid camera designed for exceptional speed, image quality, and video performance. It offers high-speed shooting with enhanced buffer capacity, 4K Ultra HD video at 60p, and a 273-point Hybrid AF system. Its outstanding low-light capabilities, dual processors, dual card slots, and wireless connectivity make it a powerful tool for both still photography and videography.

Key Features:

- 24.5MP BSI resolution, excelling in low light.
- 14 FPS continuous shooting for fast action.
- 4K UHD Video at 60p with full pixel readout.
- Improved AF performance and functionality with 3.5x more buffer capacity than the original Z 6.
- Dual card slots (CFexpress/XQD plus UHS-II SD) for flexible storage.
- Comfortable, durable, and intuitive design.
- Compatible with NIKKOR Z lenses and F-mount NIKKOR lenses via FTZ adapter (sold separately).
- USB-C for constant power and charging.

WHAT'S IN THE BOX

Upon opening your Nikon Z 6II package, you should find the following items:

- Nikon Z 6II Camera Body
- EN-EL15c Rechargeable Li-ion Battery
- MH-25a Battery Charger
- UC-E24 USB Cable
- AN-DC19 Strap
- BF-N1 Body Cap
- DK-29 Rubber Eyecup
- HDMI/USB Cable Clip



Image: Front view of the Nikon Z 6II camera body, showcasing the Z-mount and function buttons.

SETUP GUIDE

1. Charging the Battery

Before first use, fully charge the supplied EN-EL15c battery using the MH-25a battery charger. Insert the battery into the charger and plug the charger into a power outlet. The charge lamp will blink while charging and turn off when complete. Alternatively, the camera supports in-camera charging via USB-C.

2. Inserting the Battery and Memory Cards

Open the battery chamber cover on the bottom of the camera and insert the charged battery. The Nikon Z 6II features dual card slots: one for CFexpress/XQD cards and one for UHS-II SD cards. Insert the memory cards into their respective slots until they click into place. Ensure the cards are inserted correctly to avoid damage.



Lens sold separately.

Image: Rear view of the Nikon Z 6II showing the open memory card and battery compartments.

3. Attaching a Lens

Align the mounting mark on the lens with the mounting mark on the camera body. Rotate the lens counter-clockwise until it clicks into place. To detach, press the lens release button and rotate the lens clockwise.



Lens sold separately.

Image: Side view of the Nikon Z 6II with a NIKKOR Z lens attached, showing the camera's ports.

4. Initial Settings

Turn on the camera using the power switch. Follow the on-screen prompts to set the language, date, time, and time zone. It is recommended to format your memory cards before first use to ensure optimal performance.

OPERATING INSTRUCTIONS

Shooting Modes

The mode dial on the top of the camera allows you to select various shooting modes:

- **P (Programmed Auto):** Camera sets shutter speed and aperture for optimal exposure.
- **S (Shutter-Priority Auto):** You set shutter speed, camera sets aperture. Ideal for controlling motion blur.
- **A (Aperture-Priority Auto):** You set aperture, camera sets shutter speed. Ideal for controlling depth of field.
- **M (Manual):** You control both shutter speed and aperture.
- **U1, U2, U3 (User Settings):** Save and recall frequently used camera settings.



Image: Top view of the Nikon Z 6II, highlighting the mode dial and top display panel.

Autofocus System

The Z 6II features a 273-point Hybrid AF system. You can select various AF-area modes and focus modes to suit your subject and shooting conditions. Use the AF-ON button or half-press the shutter button to initiate autofocus.

Video Recording

To record video, rotate the photo/video selector to the video icon. Press the red record button to start and stop recording. The camera supports 4K UHD video at 60p, offering high-quality footage.



Image: Rear view of the Nikon Z 6II, showing the LCD screen and control buttons.



Image: A photographer using the Nikon Z 6II in a low-light setting, demonstrating typical camera usage.

- **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 organic solvents.
- **Cleaning the Lens and Sensor:** Use a blower brush to remove dust from the lens surface and sensor. For smudges, use a lens cleaning solution and a microfiber cloth specifically designed for optics. Avoid touching the sensor directly.
- **Storage:** When not in use for extended periods, remove the battery and store the camera in a cool, dry place, away from direct sunlight and extreme temperatures. Use desiccant packets to prevent mold and mildew.
- **Battery Care:** Store batteries in a cool, dry place. Charge them periodically if not used for a long time to maintain battery health.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Camera does not turn on.	Battery is depleted or not inserted correctly. Ensure battery is charged and properly seated.
Images are blurry.	Lens is dirty, focus is incorrect, or shutter speed is too slow. Clean lens, check focus mode, or increase shutter speed/ISO.
Memory card error.	Memory card is full, corrupted, or incompatible. Try a different card, format the card (after backing up data), or check compatibility.
No image displayed on LCD.	LCD is turned off or brightness is too low. Check display settings or press the DISP button.

SPECIFICATIONS

Feature	Detail
Product Dimensions	5.28 x 2.74 x 3.96 inches
Item Weight	1.36 pounds
Item Model Number	1659
Batteries	1 Lithium Ion batteries required (included)
Date First Available	October 14, 2020
Manufacturer	Nikon
Compatible Mountings	Nikon Z
Photo Sensor Technology	CMOS
Supported File Format	JPEG
Image Stabilization	Sensor-shift

Feature	Detail
Optical Zoom	1 x
Maximum Aperture	4 f
Expanded ISO Minimum	100
Metering Description	Center Weighted

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Nikon website. Nikon provides comprehensive customer support, including online resources, FAQs, and contact information for technical assistance and service centers.

Online Resources: [Nikon USA Official Website](#)

Product Registration: Register your product online to receive important updates and support.

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