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› Nikon Z8 Professional Full Frame Mirrorless Camera User Manual

Nikon 1695

Nikon Z8 Professional Full Frame Mirrorless Camera User Manual

Model: 1695

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Nikon Z8 Professional Full Frame Mirrorless Camera. Please read this manual thoroughly before using the camera to ensure proper and safe operation.

The Nikon Z8 is a high-performance mirrorless camera designed for both professional photographers and videographers, featuring advanced imaging technology and robust construction.

PRODUCT OVERVIEW



Figure 2: Front view of the Nikon Z8 camera body, highlighting the Z-mount and programmable function buttons (Fn1, Fn2).



Figure 3: Rear view of the Nikon Z8 camera body, showing the articulating LCD screen, electronic viewfinder, and various control buttons.



Figure 4: Top view of the Nikon Z8 camera with a NIKKOR lens attached, displaying the mode dial, control panel, and shutter button.



Figure 5: Side view of the Nikon Z8 camera with a NIKKOR lens, showing the various port covers for connectivity.

SETUP

1. Unpacking and Initial Inspection

Carefully unpack all components from the box. Verify that all manufacturer-included items are present:

- Nikon Z8 Mirrorless Camera Body
- Nikon EN-EL15c Battery
- Nikon Battery Charger
- Nikon USB Cable
- HDMI/USB Cable Clip
- Nikon BS-1 Accessory Shoe Cap
- Nikon Camera Strap
- Nikon BF-N1 Body Cap
- Nikon DK-33 Rubber Eyecup

Inspect the camera and accessories for any signs of damage. If any items are missing or damaged, contact your retailer.

2. Charging the Battery

Insert the EN-EL15c battery into the provided Nikon Battery Charger. Connect the charger to a power outlet. The charging indicator light will show the charging status. Charge the battery fully before first use. A full charge typically takes approximately 2.5 hours.

3. Inserting the Battery and Memory Card

Open the battery chamber cover on the bottom of the camera. Insert the charged EN-EL15c battery with the arrow facing

into the camera until it clicks into place. Close the battery chamber cover.

Open the memory card slot cover on the side of the camera. The Nikon Z8 supports CFexpress Type B and SD (UHS-II compatible) memory cards. Insert the memory card(s) into the appropriate slot(s) until they click. Close the memory card slot cover.

Caution: Ensure the camera is turned off before inserting or removing the battery or memory card.

4. Attaching a Lens

Remove the body cap from the camera and the rear cap from the lens. Align the mounting marks on the lens with the mounting marks on the camera body. Rotate the lens counter-clockwise until it clicks into place. Do not force the lens.

5. Initial Camera Settings

Turn on the camera using the power switch. Follow the on-screen prompts to set the language, date, time, and time zone. These settings are crucial for proper file management and EXIF data.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Use the power switch located around the shutter button.
- **Shutter Button:** Press halfway to focus, press fully to take a picture.
- **Mode Dial:** Select shooting modes (e.g., P, S, A, M, Auto) using the mode dial on the top of the camera.
- **Display Button (DISP):** Toggles information displayed on the LCD monitor and electronic viewfinder.
- **Menu Button:** Access the camera's main menu for detailed settings.

Key Features and Functions

The Nikon Z8 incorporates advanced technologies for superior performance:

- **45.7MP BSI CMOS Sensor & EXPEED 7 Processor:** This combination delivers exceptional image quality with high resolution, reduced noise, and impressive clarity, even in low-light conditions (up to ISO 102400). It enables fast continuous shooting up to 20 fps in raw format.
- **Electronic Shutter-Only Design:** The Z8 features an electronic shutter capable of speeds up to 1/32,000 sec. This design eliminates mechanical shutter noise and vibration, making it ideal for discreet shooting and capturing fast-moving subjects without distortion. Flash sync is supported up to 1/200 sec.
- **Fast and Intelligent AF System:** Equipped with a 493-point Phase-Detection AF system, the Z8 provides rapid and precise autofocus across the entire frame, even in challenging low-light environments (down to -9 EV). Enhanced by deep learning technology, it offers advanced subject detection and tracking for humans, animals, and vehicles.
- **Advanced Video Capabilities:** The Z8 is a powerful tool for videographers, supporting internal 8K60 and 4K120 recording. It offers professional-grade N-RAW and ProRes RAW formats for extensive post-production flexibility. Integrated video tools such as focus peaking, zebra stripes, and waveform monitor assist in achieving cinematic results.
- **Durable Construction:** The camera body is crafted with Seerebo carbon fiber and magnesium alloy, ensuring durability while maintaining a lightweight design, suitable for prolonged use in various environments.

Shooting Modes

The Z8 offers various shooting modes to suit different photographic needs:

- **Programmed Auto (P):** Camera sets aperture and shutter speed for optimal exposure.
- **Shutter-Priority Auto (S):** User sets shutter speed, camera sets aperture. Ideal for controlling motion blur.
- **Aperture-Priority Auto (A):** User sets aperture, camera sets shutter speed. Ideal for controlling depth of field.

- **Manual (M):** User controls both aperture and shutter speed.
- **Auto:** Fully automatic mode for simple point-and-shoot operation.
- **User Settings (U1, U2, U3):** Save and recall frequently used camera settings.

Playback and Review

Press the **Playback** button to view images and videos. Use the multi-selector to navigate through files. Zoom in/out using the zoom buttons. Delete files by pressing the **Delete** button.



Figure 6: A user demonstrating the ergonomic handling of the Nikon Z8 camera in an outdoor setting.



Figure 7: The Nikon Z8 camera being used in light rain, showcasing its durable and weather-sealed construction.

MAINTENANCE

Camera Body Cleaning

- Use a soft, lint-free cloth to wipe the camera body. For stubborn dirt, slightly dampen the cloth with water or a specialized camera cleaning solution.
- Do not use alcohol, thinner, or other volatile chemicals.
- Avoid getting water or cleaning solution inside the camera.

Lens and Sensor Cleaning

- **Lens:** Use a lens brush or blower to remove dust. For smudges, use a lens cleaning solution and a microfiber lens cloth. Wipe gently from the center outwards in a circular motion.
- **Sensor:** The Z8 has an integrated sensor cleaning function. Access this via the camera menu. For persistent dust, professional sensor cleaning is recommended. Avoid touching the sensor directly.

Storage

- When not in use for extended periods, remove the battery.
- Store the camera in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use a desiccant pack in the camera bag or storage area to prevent mold and mildew, especially in humid climates.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Camera does not turn on.	Battery is depleted or incorrectly inserted.	Charge the battery fully. Ensure the battery is inserted correctly.
Cannot take pictures.	Memory card full, locked, or not inserted. Lens not attached.	Insert a new or formatted memory card. Unlock the memory card. Attach the lens securely.
Images are blurry.	Incorrect focus, camera shake, or dirty lens.	Ensure proper focus. Use a faster shutter speed or tripod. Clean the lens.
Video recording stops unexpectedly.	Memory card speed insufficient or camera overheating.	Use a faster memory card (e.g., CFexpress Type B). Allow camera to cool down if used for extended periods of high-resolution recording.
Dust spots appear on images.	Dust on the image sensor.	Perform sensor cleaning via the camera menu. If persistent, seek professional cleaning.

If the problem persists after attempting these solutions, please contact Nikon customer support or an authorized service center.

SPECIFICATIONS

Feature	Detail
Model Number	1695
Sensor	45.7MP BSI CMOS Full Frame
Processor	EXPEED 7
Video Recording	8K60, 4K120 (N-RAW, ProRes RAW internal)
Autofocus System	493-point Phase-Detection AF with Deep Learning
Shutter Type	Electronic Shutter-Only
Max Shutter Speed	1/32,000 sec
Continuous Shooting	Up to 20 fps (RAW)
ISO Sensitivity	Up to 102400
Dimensions (W x H x D)	5.7 x 4.7 x 3.3 inches (approx.)
Weight (Body Only)	1.8 pounds (approx.)
Manufacturer	Nikon
Country of Origin	China

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Nikon website. Warranty terms and conditions may vary by region.

For technical support, service, or inquiries regarding your Nikon Z8 camera, please contact Nikon customer support through their official channels. Contact information can typically be found on the Nikon website or in the documentation provided with your camera.

Online Resources:

- [Visit the Official Nikon Store on Amazon](#)
- [Nikon Official Website \(Example Link\)](#)

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