

Nikon Z fc

Nikon Z fc DX-Format Mirrorless Camera User Manual

Model: Z fc

INTRODUCTION

The Nikon Z fc is a DX-format mirrorless camera designed with a classic, tactile aesthetic combined with modern Z series technology. It features a 20.9 MP DX CMOS sensor and an EXPEED 6 processing engine, delivering high-quality images and 4K UHD video. This camera is equipped with a flip-out vari-angle LCD screen, full-time autofocus with eye detection, and built-in stereo microphone, making it suitable for both photography and video content creation.

Key Features:

- **Superb Image Quality:** 20.9 MP DX CMOS sensor paired with EXPEED 6 processing engine.
- **Vlogger Ready:** 4K UHD video recording, flip-out vari-angle LCD, full-time AF with eye detection, built-in stereo microphone, external microphone jack, live stream and web conference compatible.
- **Heritage Design:** Classic tactile design with analog controls for shutter speed, ISO, and exposure compensation.
- **Seamless Connectivity:** Always connected using the free Nikon SnapBridge app and a compatible smart device for easy image transfer.
- **Intuitive Operation:** Easy access to Auto Mode, quick settings, and the Menu help guide.
- **Lens Compatibility:** Compatible with NIKKOR Z lenses and F Mount NIKKOR lenses using the FTZ Mount Adapter (sold separately).

WHAT'S IN THE BOX

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

- Nikon Z fc DX-Format Mirrorless Camera Body
- NIKKOR Z DX 16-50mm f/3.5-6.3 VR lens

- Rechargeable Li-ion Battery
- Battery Charger
- Camera Strap
- Body Cap
- Lens Caps (front and rear)

CAMERA LAYOUT AND CONTROLS

Familiarize yourself with the various parts and controls of your Nikon Z fc camera.



Figure 1: Front view of the Nikon Z fc with the NIKKOR Z DX 16-50mm lens attached and the vari-angle LCD screen extended.



Figure 2: Top view of the Nikon Z fc, highlighting the dedicated dials for ISO, shutter speed, and exposure compensation, along with the mode dial (M, A, S, P, AUTO).



Figure 3: Side view of the Nikon Z fc, illustrating the textured grip and the location of connectivity ports (e.g., USB, HDMI, microphone jack).

Key Controls:

- **Shutter Speed Dial:** Located on the top right, allows direct control over shutter speed.
- **ISO Dial:** Located on the top left, for adjusting ISO sensitivity.
- **Exposure Compensation Dial:** Adjacent to the shutter speed dial, for fine-tuning exposure.
- **Mode Dial:** Selects shooting modes (Program, Aperture-priority, Shutter-priority, Manual, Auto).
- **Vari-angle LCD Monitor:** Flips out and rotates for flexible viewing angles, ideal for vlogging and self-portraits.
- **Electronic Viewfinder (EVF):** Provides a clear view of your scene with real-time exposure and settings preview.

SETUP

1. Charging the Battery

Before first use, fully charge the supplied EN-EL25 Li-ion battery using the provided battery charger. Insert the battery into the charger, ensuring correct orientation, and plug the charger into a power outlet. The charging indicator will show the charging status.

2. Inserting the Battery and Memory Card

1. Open the battery chamber cover on the bottom of the camera.
2. Insert the charged battery, ensuring it clicks into place.
3. Open the memory card slot cover.
4. Insert a compatible SD card (UHS-I or higher recommended) into the slot until it clicks. Ensure the card is facing the correct direction.
5. Close both covers securely.

3. Attaching the Lens

1. Remove the body cap from the camera and the rear lens cap from the NIKKOR Z DX 16-50mm f/3.5-6.3 VR 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. Remove the front lens cap.



Figure 4: Front view of the Nikon Z fc camera body with the lens removed, exposing the Z-mount and the DX-format sensor.

4. Initial Settings

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

OPERATING THE CAMERA

Shooting Modes

The Z fc offers various shooting modes to suit different photographic situations:

- **AUTO:** Fully automatic mode for point-and-shoot simplicity.
- **P (Programmed Auto):** Camera sets shutter speed and aperture for optimal exposure.
- **S (Shutter-Priority Auto):** You set the shutter speed, camera sets aperture. Ideal for controlling motion blur.
- **A (Aperture-Priority Auto):** You set the aperture, camera sets shutter speed. Ideal for controlling depth of

field.

- **M (Manual):** You control both shutter speed and aperture.

Focusing

The camera features a fast and accurate autofocus system:

- **Autofocus (AF):** The camera automatically focuses on your subject.
- **Continuous-Servo AF (AF-C):** Ideal for moving subjects, as the camera continuously adjusts focus.
- **Eye-Detection AF:** Automatically detects and focuses on human or animal eyes, ensuring sharp portraits.

Video Recording

To record video:

1. Set the photo/video selector switch to the video camera icon.
2. Press the red record button to start and stop recording.
3. The Z fc supports 4K UHD (3840 x 2160) video resolution.

Connecting to Smart Devices (SnapBridge)

The Nikon Z fc can connect to your smartphone or tablet via Wi-Fi and Bluetooth using the Nikon SnapBridge app:

1. Download and install the Nikon SnapBridge app on your smart device.
2. Enable Bluetooth on both your camera and smart device.
3. Follow the instructions in the SnapBridge app to pair your devices.
4. Once paired, you can automatically transfer images, remotely control the camera, and sync location data.

MAINTENANCE

Cleaning the Camera and Lens

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, lightly dampen the cloth with distilled water.
- **Lens:** Use a lens brush to remove dust, then gently wipe with a clean microfiber lens cloth. For smudges, use a specialized lens cleaning solution.
- **Sensor:** If dust is visible on images, use a blower bulb to gently dislodge dust from the sensor. Avoid touching the sensor directly. For persistent dust, consult a professional service center.

Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries regularly to prolong their lifespan.
- Remove the battery from the camera if it will not be used for an extended period.

Storage

When storing the camera for long periods, ensure it is clean, dry, and stored in a dust-free environment. Use desiccant packets to prevent moisture buildup, especially in humid climates.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Camera does not turn on	Ensure battery is charged and correctly inserted. Check if the battery contacts are clean.
Images are blurry	Check focus mode (AF-C for moving subjects). Ensure shutter speed is fast enough to prevent camera shake. Clean the lens.
Memory card error	Ensure the memory card is correctly inserted and not full. Try formatting the card (this will erase all data). Use a compatible card (UHS-I or higher).
Cannot connect to smartphone via SnapBridge	Ensure Bluetooth and Wi-Fi are enabled on both devices. Restart both camera and smartphone. Re-pair devices in the SnapBridge app.
Video recording stops unexpectedly	Ensure memory card has sufficient free space and is fast enough for 4K recording (UHS-I Speed Class 3 or higher). Camera may overheat during extended recording; allow it to cool.

SPECIFICATIONS

Feature	Detail
Model Name	Z fc
Sensor Type	Nikon DX-Format CMOS sensor with EXPEED 6 processing engine
Photo Sensor Resolution	20.9 MP
Video Resolution	3840 x 2160 (4K UHD)
Compatible Mountings	Nikon Z
Included Lens	NIKKOR Z DX 16-50mm f/3.5-6.3 VR
Image Stabilization	VR (Vibration Reduction)
Screen Size	3 Inches (Vari-angle LCD)
Viewfinder	Electronic
Connectivity Technology	Wi-Fi, Bluetooth 4.0
Supported File Format	JPEG, RAW
Continuous Shooting	11 FPS
Maximum Shutter Speed	1/4000 Seconds
Minimum Shutter Speed	1/8000 Seconds

Feature	Detail
Item Weight	2.2 Pounds (approx.)

WARRANTY AND SUPPORT

Nikon products are manufactured to the highest standards and come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Nikon website.

For technical support, service, or additional resources, please visit the official Nikon support website or contact their customer service department. Keep your proof of purchase for any warranty claims.

Nikon Support Website: <https://www.nikonusa.com/en/service-and-support/index.page>