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› Nikon NIKKOR Z 800mm f/6.3 VR S Instruction Manual

Nikon 20108

Nikon NIKKOR Z 800mm f/6.3 VR S Instruction Manual

Model: 20108 | Brand: Nikon

1. PRODUCT OVERVIEW

The NIKKOR Z 800mm f/6.3 VR S is a super-telephoto lens designed for Nikon Z-mount cameras. It incorporates a Phase Fresnel (PF) element, contributing to its lightweight and compact design. This lens is engineered for high-performance photography, particularly in wildlife, aviation, and sports, offering advanced Vibration Reduction (VR) and precise autofocus capabilities.



Figure 1: The NIKKOR Z 800mm f/6.3 VR S lens. This image displays the full length of the lens, highlighting its sleek black finish and the gold accent ring near the front element.

2. WHAT'S IN THE BOX

Verify that all the following items are included with your NIKKOR Z 800mm f/6.3 VR S lens package:

- HB-104 Lens Hood
- LC-K106 Lens Cap (front cap)
- LF-N1 Lens Cap (rear cap)

- LN-3 Strap
- CL-L3 Lens Case

3. KEY FEATURES

- **Vibration Reduction (VR):** Offers up to 5.0 stops of compensation. When paired with the Z 9 camera, Synchro VR combines in-lens and in-camera stabilization for up to 5.5 stops of VR compensation.
- **Teleconverter Compatibility:** Fully compatible with Z TELECONVERTER TC-1.4x and Z TELECONVERTER TC-2.0x, extending focal length to 1120mm and 1600mm respectively, without loss of focus points or image quality.
- **Compact and Lightweight Design:** Weighing approximately 5.25 pounds and measuring just over 15 inches, this lens is highly portable due to its Phase Fresnel element.
- **Ergonomic Controls:** Features two customizable Fn buttons, a Memory Set button for focus position, a control ring, a manual focus ring, and a focus limit switch, all easily accessible.
- **Optimized Weight Balance:** The lens's center of gravity is positioned closer to the camera body, facilitating smooth and accurate panning for both monopod and handheld shooting.

4. SETUP

4.1 Attaching the Lens to Your Camera

1. Ensure both the camera and lens are powered off.
2. Remove the rear lens cap (LF-N1) from the lens and the body cap from the camera.
3. Align the mounting mark on the lens with the mounting mark on the camera body.
4. Rotate the lens counter-clockwise until it clicks into place, indicating it is securely locked.



Figure 2: The NIKKOR Z 800mm f/6.3 VR S lens mounted on a Nikon Z series camera. This image illustrates the lens's integration with the camera body, showing its substantial yet balanced profile.

4.2 Attaching the Lens Hood (HB-104)

Align the lens hood with the front of the lens and rotate it until it locks securely. The lens hood helps to block stray light and protect the front element.

4.3 Attaching the Strap (LN-3)

Attach the provided LN-3 strap to the strap lugs on the lens barrel for secure carrying, especially when shooting handheld or using a monopod.

5. OPERATING THE LENS

5.1 Focus Mode Switch (A/M)

The lens features an A/M switch to select between autofocus (A) and manual focus (M). In autofocus mode, the camera controls focus. In manual focus mode, rotate the manual focus ring to adjust focus.

5.2 Focus Limit Switch

This switch allows you to limit the autofocus range, which can speed up focusing when subjects are known to be within a certain distance. Consult your camera manual for specific settings.

5.3 Vibration Reduction (VR) Switch

Activate the VR switch to enable optical image stabilization. This feature helps reduce blur caused by camera shake, especially at slower shutter speeds or when shooting handheld with a long focal length.

5.4 Customizable Fn Buttons and Memory Set Button

The lens is equipped with two customizable Fn buttons and a Memory Set button. These buttons can be assigned various functions via your camera's menu, such as AF-ON, focus recall, or exposure lock. The Memory Set button allows you to save a specific focus position for quick recall.

5.5 Control Ring

The control ring can be assigned functions such as aperture control, exposure compensation, or ISO sensitivity via the camera's custom settings menu.



Figure 3: Side view of the NIKKOR Z 800mm f/6.3 VR S lens, detailing the various control switches and buttons. This image highlights the ergonomic placement of the A/M switch, focus limit switch, VR switch, and customizable Fn buttons.

6. MAINTENANCE

6.1 Cleaning the Lens

- Use a blower brush to remove dust and loose particles from the lens surfaces.
- For smudges or fingerprints, use a clean, soft cotton cloth or lens tissue lightly dampened with lens cleaner. Wipe gently in a circular motion from the center outwards.
- Never use organic solvents such as paint thinner or benzene to clean the lens.

6.2 Storage

- When not in use, attach both the front and rear lens caps.
- Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, consider using a dehumidifying agent to prevent mold and mildew.

6.3 Weather Sealing

The NIKKOR Z 800mm f/6.3 VR S features premium weather sealing. While this provides protection against dust and moisture, it is not waterproof. Avoid exposing the lens to heavy rain or submerging it in water.

7. TROUBLESHOOTING

If you encounter issues with your lens, consider the following basic troubleshooting steps:

- **Lens not recognized by camera:** Ensure the lens is securely attached to the camera body and that both are powered off before attachment. Check for any debris on the lens or camera contacts.
- **Autofocus not working:** Verify the lens is set to 'A' (autofocus) mode. Check camera settings to ensure autofocus is enabled. Ensure there is sufficient light and contrast for the autofocus system to operate.
- **Images are blurry:** Confirm that Vibration Reduction (VR) is enabled if shooting handheld. Check shutter speed and aperture settings. Ensure the lens and camera are clean.
- **Unusual noises:** If you hear unusual mechanical noises, power off the camera and lens immediately and contact Nikon service.

For more complex issues, refer to the camera's instruction manual or contact Nikon customer support.

8. SPECIFICATIONS

Specification	Value
Product Dimensions	15.16 x 5.51 x 5.51 inches
Item Weight	5.26 pounds
ASIN	B09X8TBSFZ
Item Model Number	20108
Brand	Nikon
Focal Length Description	Super Telephoto 800 millimeters
Lens Type	Telephoto
Compatible Mountings	Nikon Z

Specification	Value
Manufacturer	Nikon
Date First Available	April 6, 2022

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Nikon product is covered by a limited warranty. For detailed information regarding warranty terms, conditions, and registration, please refer to the warranty card included with your product or visit the official Nikon website.

9.2 Customer Support

For technical assistance, service, or further inquiries, please contact Nikon customer support. You can find contact information and support resources on the official Nikon website: [Nikon Support](#)