

Nikon NIKKOR Z 180-600mm f/5.6-6.3 VR Lens Instruction Manual

Model: 20117

1. INTRODUCTION

The Nikon NIKKOR Z 180-600mm f/5.6-6.3 VR is a super telephoto zoom lens designed for Nikon Z series mirrorless cameras. This lens offers an extensive zoom range, making it suitable for capturing distant subjects such as wildlife, sports, and aircraft. Its design prioritizes ease of use and portability, featuring internal zooming and effective Vibration Reduction (VR) for stable handheld shooting.



Figure 1: The NIKKOR Z 180-600mm f/5.6-6.3 VR lens.

2. KEY FEATURES

- **Extended Zoom Range:** Covers a versatile 180-600mm focal length, ideal for various long-distance photography scenarios.
- **Internal Zooming:** Maintains the lens's physical length and center of gravity during zooming, enhancing balance and minimizing dust intrusion.
- **Vibration Reduction (VR):** Provides up to 5.5 stops of image stabilization, significantly reducing camera shake for sharper images and smoother videos, especially during handheld shooting.
- **Close Focusing Capability:** Achieves a minimum focus distance of 4.27 ft (1.3 meters) at 180mm, allowing for detailed close-up shots.
- **Teleconverter Compatibility:** Fully compatible with Nikon Z Teleconverter TC-1.4x and TC-2.0x, extending the focal length up to 840mm and 1200mm respectively.
- **Durable Construction:** Features robust build quality with weather sealing to protect against dust and moisture, suitable for outdoor use.
- **Customizable Controls:** Equipped with a quick-release tripod foot, strap eyelet, customizable control ring, and function buttons for enhanced operational flexibility.

3. SETUP

3.1 Attaching the Lens

1. Ensure both the camera and lens are powered off.
2. Remove the body cap from the camera and the rear lens cap from the lens.
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 mounted.

3.2 Attaching the Lens Hood (HB-109)

The included HB-109 lens hood helps to reduce flare and provides protection for the front element of the lens.

1. Align the lens hood mounting mark with the mark on the front of the lens.
2. Rotate the lens hood until it clicks into place.



Figure 2: The NIKKOR Z 180-600mm lens mounted on a Z-series camera.

4. OPERATING INSTRUCTIONS

4.1 Zooming

To adjust the focal length, rotate the zoom ring on the lens. The internal zoom mechanism ensures the lens length does not change, maintaining balance and handling.



Figure 3: Zoom ring with focal length markings.

4.2 Focusing

The lens features a fast and quiet autofocus system. For manual focusing, switch the camera or lens to manual focus mode and rotate the focus ring.

4.3 Vibration Reduction (VR)

The built-in Vibration Reduction (VR) system helps to minimize blur caused by camera shake. Activate VR via the switch on the lens or camera menu. This lens provides up to 5.5 stops of stabilization, allowing for sharper images at slower shutter speeds or when shooting handheld.

4.4 Using Teleconverters

The NIKKOR Z 180-600mm f/5.6-6.3 VR lens is compatible with Nikon Z Teleconverter TC-1.4x and TC-2.0x (sold separately) to extend your reach. When using a 1.4x teleconverter, the focal length becomes 252-840mm. With a 2.0x teleconverter, the focal length extends to 360-1200mm. Note that using teleconverters will reduce the maximum aperture.



Figure 4: Nikon Z Teleconverters for extended reach.

4.5 Example Usage

This lens excels in various scenarios, from capturing wildlife in their natural habitat to freezing fast-paced sports action.



Wildlife photography example.

Sports and action photography example.

5. MAINTENANCE

5.1 Cleaning the Lens

Use a soft, lint-free cloth to gently wipe dust and smudges from the lens surfaces. For stubborn marks, use a lens cleaning solution specifically designed for optical elements. Avoid using harsh chemicals or abrasive materials.

5.2 Storage

When not in use, store the lens with both front and rear caps attached in a dry, cool place away from direct sunlight and extreme temperatures. Consider using a lens case for added protection during transport.

6. TROUBLESHOOTING

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

- **Lens not focusing:** Ensure the camera is in autofocus mode (AF) or that the lens is set to AF if it has a dedicated switch. Check for sufficient light and contrast in your subject.
- **Blurry images:** Verify that Vibration Reduction (VR) is enabled if shooting handheld. Check your shutter speed and aperture settings. Ensure the lens and camera are clean.
- **Lens not recognized by camera:** Power off both the camera and lens, detach and reattach the lens, ensuring it clicks securely into place. Check camera firmware for updates.

For persistent issues, consult the camera's instruction manual or contact Nikon customer support.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	12.42 x 4.33 x 4.33 inches
Item Weight	4.72 pounds
ASIN	B0C8QFSPFQ
Item Model Number	20117
Brand	Nikon
Focal Length Description	Telephoto Zoom 180-600mm
Lens Type	Telephoto
Compatible Mountings	Nikon Z
Camera Lens Description	180-600mm
Manufacturer	Nikon
Date First Available	June 21, 2023

8. WHAT'S IN THE BOX

The following items are typically included with your Nikon NIKKOR Z 180-600mm f/5.6-6.3 VR lens:

- NIKKOR Z 180-600mm f/5.6-6.3 VR lens
- LC-95B Lens Cap (front cap)
- LF-N1 Lens Cap (rear cap)
- HB-109 Lens Hood
- CL-C6 Lens Case

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: Introduction to the New Nikon NIKKOR Z 180-600mm f/5.6-6.3 VR lens by Nikon Inc.

10. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and customer support, please visit the official Nikon website or contact your local Nikon service center. Keep your proof of purchase for warranty claims.