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› Nikon NIKKOR Z 600mm f/6.3 VR S Lens Instruction Manual

Nikon 20122

Nikon NIKKOR Z 600mm f/6.3 VR S Lens

Instruction Manual - Model: 20122

INTRODUCTION

The Nikon NIKKOR Z 600mm f/6.3 VR S lens is a super-telephoto prime lens designed for Nikon Z series mirrorless cameras. Engineered for portability and high optical performance, it features a Phase Fresnel (PF) element to significantly reduce its size and weight, making it suitable for handheld use in various outdoor and wildlife photography scenarios. This manual provides essential information for the proper setup, operation, and maintenance of your lens.



Figure 1: The Nikon NIKKOR Z 600mm f/6.3 VR S Lens, showcasing its compact design.

WHAT'S IN THE BOX

Verify that all the following items are included with your lens:

- NIKKOR Z 600mm f/6.3 VR S Lens
- LC-95B Lens Cap (front cap)
- LF-N1 Lens Cap (rear cap)
- HB-105A Lens Hood

- CL-C6 Lens Case

SETUP

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 attached.



Figure 2: Front view of the lens, showing the mounting alignment mark.

Attaching the Lens Hood (HB-105A)

The lens hood helps to block stray light that can cause flare and ghosting, and also provides protection for the front element.

1. Align the lens hood's mounting mark with the mark on the front of the lens barrel.
2. Rotate the hood clockwise until it clicks into place. Ensure it is firmly attached and does not wobble.



Figure 3: The HB-105A Lens Hood, designed to reduce flare and protect the lens.

OPERATING THE LENS

Focusing

This lens supports both autofocus (AF) and manual focus (MF). The focus mode is typically controlled via the camera body settings.

- **Autofocus:** When the camera is set to AF, the lens will automatically focus on your subject. Utilize the camera's AF-area modes for optimal performance.
- **Manual Focus:** Switch the camera to MF mode. Rotate the focus ring on the lens to adjust focus manually. The lens features a smooth, precise focus ring for fine adjustments.



Figure 4: The lens mounted on a Nikon Z camera, showing the focus ring and control buttons.

Vibration Reduction (VR)

The lens incorporates Nikon's advanced Vibration Reduction (VR) system, which helps to minimize blur caused by camera shake, especially when shooting handheld at slower shutter speeds or with long focal lengths. The VR function is activated and controlled via the camera's menu settings.

- The VR system provides up to 6.0 stops of compensation when used with a camera supporting Synchro VR, and 5.5 stops with other Z series cameras.
- For optimal results, ensure VR is enabled when shooting handheld. Consider disabling it when using a sturdy tripod to avoid potential interference.

Customizable Controls

The NIKKOR Z 600mm f/6.3 VR S lens features several customizable controls for enhanced usability:

- **L-Fn Buttons:** Multiple L-Fn (Lens Function) buttons are strategically placed on the lens barrel. These can be assigned various functions via the camera's custom controls menu, such as AF Lock, subject tracking, image playback, or other frequently used settings.
- **Control Ring:** The control ring can be customized to adjust aperture, ISO sensitivity, or exposure compensation, providing quick access to key settings without taking your eye from the viewfinder.



Figure 5: Side view of the lens, highlighting the L-Fn buttons and control ring.

Extending Focal Length

The effective focal length of the lens can be extended using compatible Nikon Z series teleconverters or by utilizing the camera's DX Crop Mode:

- **NIKKOR Z TC 1.4x:** Extends the focal length to 840mm.
- **NIKKOR Z TC 2.0x:** Extends the focal length to 1200mm.
- **DX Crop Mode:** When combined with the TC 2.0x, the DX Crop Mode can achieve an equivalent focal length of up to 1800mm.

MAINTENANCE

Cleaning the Lens

To maintain optical performance, keep the lens elements clean. Use a soft, lint-free cloth specifically designed for optical surfaces.

For stubborn smudges, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.

Storage

When not in use, store the lens with both front and rear caps attached in its provided lens case. Avoid storing the lens in direct sunlight, high humidity, or extreme temperatures. If storing for extended periods, consider a dry cabinet to prevent mold growth.

Handling Precautions

- Avoid exposing the lens to sudden temperature changes, which can cause condensation.
- Do not attempt to disassemble the lens. Repairs should only be performed by authorized Nikon service personnel.
- Protect the lens from strong impacts or vibrations.

TRROUBLESHOOTING

Problem	Possible Cause	Solution
Lens not recognized by camera	Improper mounting; dirty contacts	Ensure lens is securely attached. Clean lens and camera contacts with a dry, lint-free cloth.
Autofocus is slow or inaccurate	Low light; low contrast subject; camera settings	Ensure adequate lighting. Focus on high-contrast areas. Check camera AF mode and settings.
Images are blurry despite VR	Shutter speed too slow; VR mode incorrect; excessive camera shake	Increase shutter speed. Check camera VR settings. Use a tripod if necessary.
Lens hood does not attach securely	Misalignment; debris in mount	Re-align the hood carefully. Check for any obstructions in the mounting groove.

SPECIFICATIONS

Feature	Detail
Focal Length	600mm
Maximum Aperture	f/6.3
Lens Type	Super Telephoto Prime
Compatible Mountings	Nikon Z
Vibration Reduction (VR)	Yes (up to 6.0 stops with Synchro VR)
Dimensions (L x D)	Approx. 10.94 x 4.19 inches (278 x 106.5 mm)
Weight	Approx. 3.24 pounds (1470 g)
Filter Size	95mm

WARRANTY AND SUPPORT

Your Nikon NIKKOR Z 600mm f/6.3 VR S Lens is covered by Nikon's limited warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Nikon USA website. For technical support, service, or inquiries about accessories, please contact Nikon customer service or an authorized service center.

Online Resources: For the latest firmware updates, software, and additional support materials, please visit the official Nikon support website.

