Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Nikon AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR

Nikon AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR Lens Instruction Manual

Model: AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR

1. Introduction

This manual provides comprehensive instructions for the safe and effective use of your Nikon AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR zoom lens. Designed for Nikon DX-format cameras, this lens offers a versatile 55-300mm focal length range, making it suitable for a wide variety of photographic situations, from portraits to distant subjects. It incorporates Nikon's advanced Vibration Reduction (VR) technology to minimize blur caused by camera shake.

2. Product Overview

The Nikon AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR lens is a telephoto zoom lens featuring a compact design and built-in Vibration Reduction. Key features include:

- **DX-Format Compatibility:** Optimized for Nikon DX-format digital SLR cameras.
- **Versatile Zoom Range:** Covers 55mm to 300mm, equivalent to 82.5-450mm in 35mm format.
- **Vibration Reduction (VR):** Provides approximately 4 stops of shake compensation for sharper images in challenging conditions.
- **Silent Wave Motor (SWM):** Ensures fast, accurate, and quiet autofocus operation.
- **ED Glass Elements:** Two Extra-low Dispersion glass elements minimize chromatic aberration for superior sharpness and color correction.
- **HRI Lens Element:** One High Refractive Index lens element contributes to a compact design and corrects various aberrations.

Lens Components

Familiarize yourself with the various parts of your lens:



Figure 1: Front view of the Nikon AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR lens. This image shows the front element, zoom ring, and focus ring.

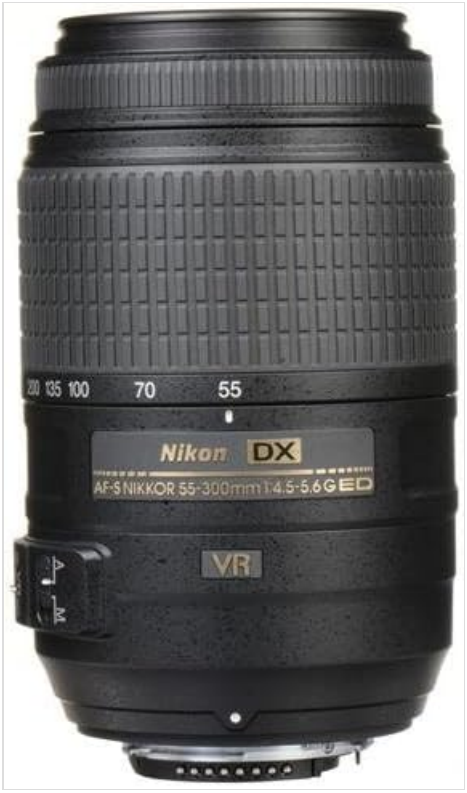


Figure 2: Side view of the lens, highlighting the A/M (Autofocus/Manual focus) switch and the VR (Vibration Reduction) ON/OFF switch.



Figure 3: Rear view of the lens, showing the camera mount and electrical contacts.

3. Setup

Attaching the Lens

1. Ensure the camera is turned off.
2. Remove the rear lens cap 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.

Attaching the Lens Hood (HB-57)

The bayonet hood HB-57 is included to reduce stray light and protect the front element. Align the hood's mounting mark with the hood alignment mark on the lens, then rotate the hood until it clicks into place.

Attaching the Soft Case (CL-1020)

Use the provided soft case CL-1020 for protecting your lens during storage or transport.



Figure 4: The CL-1020 soft case for lens protection.

4. Operating Instructions

Focus Mode Switch (A/M)

This switch controls the lens's focus mode:

- **A (Autofocus):** For automatic focusing. You can still manually adjust focus by rotating the focus ring after the camera has focused.
- **M (Manual Focus):** For manual focusing only. Rotate the focus ring to adjust focus.

Vibration Reduction (VR) Switch

The VR function reduces blur caused by camera shake. It is recommended to turn VR ON for handheld shooting, especially in low light or at longer focal lengths. Turn VR OFF when using a tripod or when shooting at very fast shutter speeds.

- **ON:** Activates Vibration Reduction.
- **OFF:** Deactivates Vibration Reduction.

Zooming

To change the focal length, rotate the zoom ring on the lens. The focal length markings (55, 70, 100, 135, 200, 300) indicate the current setting.

5. Maintenance

Cleaning the Lens

- **Lens Surfaces:** Use a blower brush to remove dust and lint. For stubborn smudges, use a soft, clean cotton cloth or lens tissue lightly moistened with lens cleaner. Wipe gently from the center outwards in a circular motion.
- **Lens Body:** Wipe with a soft, dry cloth. Do not use organic solvents like paint thinner or benzene.

Storage

- Always attach the front and rear lens caps when the lens is not in use.
- Store the lens in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid storing the lens with mothballs or camphor, as these can damage the lens elements.

6. Troubleshooting

If you encounter issues with your lens, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Images are blurry or out of focus.	• Ensure the focus mode switch on the lens is set to 'A' for autofocus or 'M' for manual focus, and that your camera's focus settings are appropriate for your shooting conditions. • If using autofocus, try setting the camera to single-point autofocus and selecting the center point for more precise focusing, especially with moving subjects. • Check if the VR switch is ON when shooting handheld in low light or at long focal lengths. • Verify that the lens is securely attached to the camera body.
Autofocus is slow or unresponsive.	• In very low light conditions, autofocus performance may decrease. Consider using manual focus or a camera-mounted assist lamp. • Ensure there is sufficient contrast in your subject for the autofocus system to lock on. • Check for any obstructions on the lens's front element or camera's autofocus sensor.
VR does not seem to be working.	• Ensure the VR switch on the lens is set to 'ON'. • VR is most effective at slower shutter speeds and longer focal lengths. At very fast shutter speeds, its effect may be less noticeable. • If using a tripod, it is generally recommended to turn VR OFF.

7. Specifications

Feature	Detail
Model Name	AF-S DX NIKKOR 55-300mm f/4.5-5.6G ED VR
Focal Length	55-300mm
Maximum Aperture	f/4.5-5.6
Minimum Aperture	f/22-32

Feature	Detail
Lens Construction	17 elements in 11 groups (2 ED lens elements, 1 HRI lens element)
Angle of View	28°50' - 5°20' (DX-format)
Minimum Focus Distance	1.4 m (4.6 ft) from focal plane at all zoom positions
Maximum Reproduction Ratio	0.27x
Diaphragm Blades	9 (rounded)
Filter-Attachment Size	58 mm
Dimensions (Diameter x Length)	Approx. 76.5 mm x 123 mm (3.0 in. x 4.8 in.)
Weight	Approx. 580 g (1.28 lbs)
Autofocus	Yes (Silent Wave Motor)
Vibration Reduction (VR)	Yes
Included Accessories	58mm Snap-on Front Lens Cap (LC-58), Rear Lens Cap (LF-4), Bayonet Hood (HB-57), Soft Case (CL-1020)

8. Warranty and Support

For inquiries regarding initial defects, warranty information, or detailed specifications of this product, please contact the Nikon Customer Support Center directly.
Nikon Customer Support Center:

Telephone: 0570-02-8000

Operating Hours: 9:30 AM - 6:00 PM daily, excluding New Year holidays and summer holidays.

Please have your product model and serial number ready when contacting support.

© 2023 Nikon Corporation. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B003ZSHNCC

More documents and user manuals: **https://manuals.plus/**