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Nikon 2217

Nikon AF-S NIKKOR 400mm f/2.8E FL ED VR Lens Instruction Manual

Model: 2217

INTRODUCTION

Thank you for choosing the Nikon AF-S NIKKOR 400mm f/2.8E FL ED VR Lens. This super telephoto lens is engineered for exceptional clarity, sharpness, and color accuracy, featuring a bright f/2.8 maximum aperture and advanced optical, autofocus, and Vibration Reduction (VR) systems. This manual provides essential information for the safe and effective use of your lens.

Please read this manual thoroughly before using the lens to ensure proper operation and to maximize its performance. Keep this manual accessible for future reference.

PRODUCT OVERVIEW

The Nikon AF-S NIKKOR 400mm f/2.8E FL ED VR lens is designed for FX-format Nikon F-mount cameras and is also compatible with DX models, providing a 600mm equivalent focal length. Its optical construction includes two fluorite and two extra-low dispersion (ED) elements to minimize chromatic aberrations and reduce overall weight. Nano Crystal and Super Integrated Coatings are applied to control flare and ghosting, enhancing contrast.

Key Features:

- **Bright f/2.8 Maximum Aperture:** Excels in low-light conditions and offers extensive depth of field control.
- **Advanced Optical Design:** Incorporates fluorite and ED elements for superior image quality and reduced weight.
- **Nano Crystal and Super Integrated Coatings:** Minimizes flare and ghosting for improved contrast.
- **Vibration Reduction (VR):** Stabilizes against camera shake, offering up to four stops of advantage. Includes NORMAL and SPORT modes.
- **Silent Wave Motor (SWM):** Enables rapid, quiet, and precise autofocus with full-time manual focus override.
- **Internal Focusing:** Maintains lens length during focusing for enhanced portability and speed.

- **Weather-Resistant Construction:** Magnesium-alloy barrel and fluorine-coated front element ensure durability in adverse conditions.

Included Items:

- Nikon AF-S NIKKOR 400mm f/2.8E FL ED VR Lens
- Lens Cover
- Nikon LF-4 Rear Lens Cap
- Nikon HK-38 Lens Hood
- Nikon Neutral Clear Filter (40.5mm)
- 40.5mm Drop-In Filter Holder
- Nikon LN-2 Lens Strap
- CT-405 Trunk Case

Lens Components:

Familiarize yourself with the various parts of your lens:



Figure 1: Side view of the lens, highlighting the control switches and tripod collar.



Figure 2: Front-angle view of the lens, displaying the large front element.



Figure 3: Close-up of the front lens element, illustrating the protective coatings.

SETUP

Mounting the Lens:

1. Ensure both the camera and lens are powered 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, indicating it is securely locked.

Attaching the Lens Hood (HK-38):

The lens hood helps to block stray light, reducing flare and ghosting, and provides physical protection to the front element.

1. Align the red dot on the lens hood with the red dot on the front of the lens barrel.
2. Rotate the hood clockwise until it locks securely.

Inserting the Drop-In Filter:

The lens features a drop-in filter slot for the included 40.5mm Neutral Clear Filter.

1. Locate the filter slot on the side of the lens barrel.
2. Gently slide the 40.5mm filter into the holder until it clicks into place.
3. Ensure the filter is clean before insertion.

OPERATING THE LENS

Focus Mode Switch:

The lens features a focus mode switch with three settings:

- **A/M (Autofocus with Manual override):** Allows immediate manual focus adjustment by rotating the focus ring even when autofocus is engaged.
- **M/A (Manual-priority Autofocus):** Similar to A/M, but requires more rotation of the focus ring before manual override takes effect, preventing accidental manual adjustments.
- **M (Manual Focus):** Disables autofocus, allowing only manual focus adjustment.

Focus Limiter Switch:

This switch restricts the autofocus range to improve focusing speed when subjects are within a known distance range.

- **FULL:** The lens will focus across its entire range (from minimum focusing distance to infinity).
- **∞-6m:** The lens will only focus on subjects 6 meters (approximately 19.7 feet) or further away. Use this setting for distant subjects to prevent the lens from hunting for focus on closer objects.

Vibration Reduction (VR) Switch:

The VR system helps reduce blur caused by camera shake. Select the appropriate mode based on your shooting situation.

- **NORMAL:** Recommended for general photography, including static subjects and panning shots.
- **SPORT:** Ideal for capturing unpredictable, fast-moving subjects. This mode provides a stable viewfinder image and allows for continuous shooting with minimal delay.
- **OFF:** Disables Vibration Reduction. Use this when the camera is mounted on a sturdy tripod or when using very fast shutter speeds where VR is not necessary.

Memory Recall Buttons:

The lens features memory recall buttons that allow you to instantly recall a pre-focused distance. To set a memory focus position:

1. Focus the lens manually or using autofocus to the desired distance.

2. Press and hold the **MEMORY SET** button until the indicator light flashes. The focus distance is now stored.

To recall the stored focus position, press any of the **AF-ON** buttons located around the lens barrel.

Compatible Cameras:

This lens is compatible with a wide range of Nikon DSLR cameras, including but not limited to:

- Nikon D3200, D3300, D3400, D3500
- Nikon D3x, D4s, D5, D6
- Nikon D500, D5200, D5300, D5500, D5600
- Nikon D610, D7100, D7200, D750, D7500, D780
- Nikon D800E, D810, D810A, D850, Df

MAINTENANCE

Cleaning the Lens:

- **Lens Elements:** Use a blower brush to remove dust and loose particles. For smudges or fingerprints, apply a small amount of lens cleaning fluid to a clean microfiber cloth and gently wipe in a circular motion from the center outwards. Avoid applying fluid directly to the lens surface.
- **Lens Body:** Wipe with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use organic solvents like paint thinner or benzene.

Storage:

- When not in use, attach the front lens cap and rear lens cap.
- Store the lens in its dedicated CT-405 Trunk Case in a cool, dry, and well-ventilated area, away from direct sunlight and high humidity.
- If storing for an extended period, consider using desiccant packets to prevent mold and mildew.

Handling Precautions:

- Avoid exposing the lens to extreme temperatures or sudden temperature changes.
- Do not leave the lens pointed at the sun for extended periods, as this can damage the camera's image sensor or internal lens elements.
- Handle the lens with care to prevent drops or impacts.

TROUBLESHOOTING

If you encounter issues with your lens, refer to the following common troubleshooting steps:

- **Lens not focusing:** Ensure the focus mode switch on the lens is set to A/M or M/A. Check the focus mode setting on your camera body. Verify the focus limiter switch is set appropriately for your subject distance.
- **VR not working:** Ensure the VR switch on the lens is set to NORMAL or SPORT. Check your camera's settings for any VR-related options. VR may be less effective at very fast shutter speeds or when mounted on a very stable tripod.
- **Image quality issues (e.g., soft images, flare):** Ensure the lens elements are clean. Check that the lens hood is properly attached. Verify that the lens is securely mounted to the camera body.

- **Lens not recognized by camera:** Power off both the camera and lens, then remount the lens, ensuring it clicks into place. Clean the electrical contacts on both the lens and camera with a clean, dry cloth.

If problems persist, consult your camera's instruction manual or contact Nikon customer support.

SPECIFICATIONS

Feature	Specification
Model Number	2217
Focal Length	400mm
Maximum Aperture	f/2.8
Lens Mount	Nikon F-Mount
Vibration Reduction (VR)	Yes (NORMAL, SPORT modes)
Autofocus Motor	Silent Wave Motor (SWM)
Optical Elements	Fluorite, Extra-low Dispersion (ED)
Coatings	Nano Crystal Coat, Super Integrated Coating, Fluorine Coat (front element)
Product Dimensions (L x Dia)	14.09 x 6.28 inches (approx.)
Item Weight	20.4 pounds (approx.)
Filter Size	40.5mm (drop-in)

WARRANTY AND SUPPORT

Manufacturer's Warranty:

This Nikon product is covered by a manufacturer's 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.

Customer Support:

For technical assistance, service, or further inquiries, please contact Nikon customer support through their official website or the contact information provided in your product documentation. Keep your proof of purchase and product serial number readily available when seeking support.

Official Nikon Website: www.nikonusa.com

