

## VILTROX NF-Z

# VILTROX NF-Z Auto Focus FTZ Lens Mount Adapter Instruction Manual

Model: NF-Z | Brand: VILTROX

## 1. PRODUCT OVERVIEW

The VILTROX NF-Z Auto Focus FTZ Lens Mount Adapter is designed to seamlessly connect Nikon F-mount lenses to Nikon Z-mount mirrorless cameras. This adapter enables full electronic communication between the lens and camera, supporting auto-focus, lens stabilization, and EXIF data transmission. Its robust construction ensures durability and reliable performance.



Image 1.1: VILTROX NF-Z Lens Mount Adapter

The adapter features strengthened copper electronic contacts for fast and smooth focusing, and allows aperture control directly from the Nikon Z-mount camera body. It also includes built-in IS Stabilization for more precise and clear focus, enhancing image quality.

## VILTROX NF-Z AF Lens Mount Adapter

For Nikon F Lens to **Z Mount**  
Nikon Mirrorless Cameras

AF  
Auto Focus

VR  
Anti-Shake Function

USB Type-C  
Firmware Upgrade

EXIF  
Signal Transmission

145g  
Lightweight

AF/AF-S  
Wide compatibility

Image 1.2: Key features of the VILTROX NF-Z adapter including Auto Focus, VR Anti-Shake, USB Type-C Firmware Upgrade, EXIF Signal Transmission, Lightweight design, and AF/AF-S Wide Compatibility.

## 2. SETUP AND INSTALLATION

### 2.1 Attaching the Adapter to the Camera

1. Align the white dot on the VILTROX NF-Z adapter with the white dot on your Nikon Z-mount camera body.
2. Gently insert the adapter into the camera mount.
3. Rotate the adapter clockwise until it clicks into place, indicating it is securely locked.

## 2.2 Attaching a Nikon F-Mount Lens to the Adapter

1. Align the mounting mark on your Nikon F-mount lens with the corresponding mark on the VILTROX NF-Z adapter.
2. Gently insert the lens into the adapter.
3. Rotate the lens clockwise until it clicks into place, ensuring a secure connection.



Image 2.1: VILTROX NF-Z adapter with a wide-angle Nikon F-mount lens attached to a Nikon Z-mount camera.



Image 2.2: VILTROX NF-Z adapter with a telephoto Nikon F-mount lens attached to a Nikon Z-mount camera.

## 2.3 Detaching the Adapter and Lens

1. To remove the lens from the adapter, press the lens release lever on the adapter and rotate the lens counter-clockwise until it detaches.
2. To remove the adapter from the camera, press the camera's lens release button and rotate the adapter counter-clockwise until it detaches.

## 3. OPERATING INSTRUCTIONS

### 3.1 Auto Focus Functionality



The VILTROX NF-Z adapter supports auto-focus with compatible Nikon F-mount lenses. Ensure your camera's focus mode is set to AF (Auto Focus). The strengthened copper electronic contacts facilitate fast and smooth focusing, allowing you to capture sharp images efficiently.

### 3.2 Lens Stabilization (IS)

For lenses equipped with Vibration Reduction (VR) or Image Stabilization (IS), the adapter transmits the necessary signals to the camera, enabling the built-in stabilization feature. This helps in reducing camera shake, resulting in clearer and sharper images, especially in low-light conditions or when using longer focal lengths.

#### Support VR Anti-Shake Function

Making your focus much more precise and clear



Image 3.1: Demonstration of VR Anti-Shake Functionality.

### 3.3 EXIF Signal Transmission

The adapter transmits EXIF signals from the lens to your camera. This allows the camera to display and record important shooting information such as aperture, shutter speed, and exposure parameters directly on the screen and in the image metadata.

### 3.4 Compatibility

The VILTROX NF-Z adapter is compatible with a wide range of Nikon F-series lenses (AF, AF-S, AF-P, AF-I) and Nikon Z-mount series cameras, including models like Z50, Z6, Z6II, Z7, Z7II, and Zfc.

#### Wide Compatibility

Enhanced scalability and operability of Nikon digital mirrorless cameras



Compatible Lenses:

Nikon F-series lenses: AF AF-S AF-P AF-I

Compatible Cameras:

Nikon Z mount series camera



Image 3.2: Wide compatibility with Nikon F-mount lenses and Z-mount cameras.

### 3.5 Product Demonstration Video

Your browser does not support the video tag.

## 4. MAINTENANCE

### 4.1 Firmware Upgrade

The VILTROX NF-Z adapter is equipped with a USB Type-C port for firmware upgrades. Regular firmware updates help improve compatibility with new lenses and camera models, fix potential bugs, and enhance overall performance. Visit the official VILTROX website for the latest firmware and instructions.

• PRODUCT INFORMATION

|                   |                       |
|-------------------|-----------------------|
| Brand             | VILTROX               |
| Model             | NF-Z                  |
| Focus Mode        | Auto Focus            |
| Compatible Lens   | Nikon F Lens          |
| Accessories       | Front and Rear Cover  |
| Weight            | 145g                  |
| Firmware Upgrade  | USB Type-C Port       |
| Size              | 79*71*35mm            |
| Compatible Camera | Nikon Z-Mount Cameras |

• Packing List

1.Adapter Ring (with Front and Rear Cover)

2.Packing Box    3.User Manual



Image 4.1: USB Type-C port for firmware upgrades.

### 4.2 Cleaning

To maintain optimal performance, keep the adapter's electronic contacts clean. Use a clean, dry microfiber cloth to gently wipe the contacts. Avoid using liquid cleaners directly on the adapter. The inner wall of the adapter features velvet flocking for matting effect; keep this area free from dust and debris.

## 5. TROUBLESHOOTING

### 5.1 Common Issues and Solutions

- **Lens not recognized / No Auto Focus:**Ensure the adapter and lens are securely mounted and clicked into place. Check the electronic contacts on both the adapter and the lens for cleanliness. Restart the camera. Ensure the lens is compatible with the adapter's auto-focus capabilities.
- **Image quality issues (e.g., flare):**The adapter features a velvet inner wall to minimize reflections. Ensure the inner velvet is clean and intact. External light sources can sometimes cause flare; consider using a lens hood.
- **Firmware update failure:** Ensure a stable USB connection and sufficient power during the update process. Follow the official VILTROX firmware update instructions precisely.

## 6. SPECIFICATIONS



Image 6.1: Detailed diagram of the VILTROX NF-Z adapter showing contacts, lens mounting mark, lens release lever, aperture paddle, Type-C upgrade interface, and reserved keys, along with its dimensions.

| Attribute            | Value   |
|----------------------|---|
| Brand                | VILTROX                                       |
| Model Number         | NF-Z  |
| Focus Type           | Auto Focus                                    |
| Compatible Mountings | Nikon F-mount lens to Nikon Z-mount camera    |
| Product Dimensions   | 2.8 x 3.1 x 3.1 inches (71 x 79 x 35 mm)      |
| Item Weight          | 9.9 ounces (145g)                             |
| Firmware Upgrade     | USB Type-C Port                               |
| Material             | Aluminum Alloy with surface plating treatment |
| UPC                  | 778469117248                                  |

## 7. WHAT'S IN THE BOX

Upon opening the product packaging, you will find the following items:

- VILTROX NF-Z Lens Adapter x1
- Front Cap x1
- Rear Cap x1



Image 7.1: Packaging and contents of the VILTROX NF-Z adapter.

## 8. WARRANTY AND SUPPORT

VILTROX products are designed for reliability and performance. For any technical assistance, warranty claims, or product inquiries, please refer to the official VILTROX website or contact their customer support. Keep your purchase receipt as proof of purchase for warranty purposes.

For more information, visit the [VILTROX Official Store](#).