

VILTROX 14/4.0 FE

VILTROX 14mm f4.0 FE Autofocus Prime Wide Angle Lens User Manual

Model: 14/4.0 FE

1. INTRODUCTION

This manual provides detailed instructions for the VILTROX 14mm f4.0 FE Autofocus Prime Wide Angle Lens, designed for Sony E-Mount full-frame cameras. Please read this manual thoroughly before using the lens to ensure proper operation and to maximize its performance. The VILTROX 14mm f4.0 FE lens is a compact and lightweight ultra-wide-angle lens featuring a 112° field of view, advanced optical design, and fast autofocus. It is ideal for landscapes, architecture, astrophotography, and vlogging.

2. PRODUCT OVERVIEW

2.1 What's in the Box

- Lens
- Lens Caps (Front and Rear)
- Lens Pouch
- Lens Hood

2.2 Lens Components



The VILTROX 14mm f4.0 FE lens shown with its lotus-shaped lens hood, designed to reduce flare and protect the front element.



The front of the VILTROX 14mm f4.0 FE lens, highlighting the 58mm filter thread and the front optical element.



The rear of the VILTROX 14mm f4.0 FE lens, featuring the metal E-mount for Sony cameras and the integrated USB-C port for firmware updates.



The complete package contents: the VILTROX 14mm f4.0 FE lens, front and rear lens caps, a protective lens pouch, and the lens hood.

3. SETUP

3.1 Attaching the Lens

1. Remove the rear lens cap and the camera body cap.
2. Align the red dot on the lens with the red dot on your Sony E-mount camera body.
3. Insert the lens into the camera mount and rotate it clockwise until it clicks into place.

3.2 Detaching the Lens

1. While holding down the lens release button on your camera body, rotate the lens counter-clockwise.
2. Once unlocked, carefully remove the lens from the camera body.
3. Attach the front and rear lens caps to protect the lens elements.



The VILTROX 14mm f4.0 FE lens securely attached to a Sony a7C II camera body, illustrating its compact profile when mounted.

4. OPERATING THE LENS

4.1 Autofocus (AF)

The lens is equipped with an STM motor for fast, accurate, and quiet autofocus performance, suitable for both photography and video recording. Ensure your camera's focus mode is set to AF (Autofocus) for automatic focusing.

4.2 Manual Focus (MF)

To use manual focus, switch your camera's focus mode to MF (Manual Focus). The focus ring on the lens provides smooth and precise control for manual adjustments.

4.3 Aperture Control

This lens features a fixed maximum aperture of f/4.0. Aperture control is managed through your camera body's settings.

4.4 Firmware Updates

The integrated USB-C port allows for easy firmware updates to ensure optimal performance and compatibility with future camera models. Visit the VILTROX official website for the latest firmware and instructions.

4.5 Product Videos

Video: 14mm F4.0 FE The Pocket-Sized Street Photography Powerhouse. This video demonstrates the VILTROX AF 14mm F4.0 FE lens in use, highlighting its features and image quality for street photography.

Video: AF 14mm F4.0 FE Lens of Inspiration Always Ready to Shoot. This video showcases the VILTROX AF 14mm F4.0 FE lens, demonstrating its compact size, autofocus capabilities, and the wide-angle perspective it offers for various shooting scenarios.

Video: AF 14mm F4.0 Air FE Full-Frame Compact Ultra-Wide Angle! A detailed video review of the VILTROX AF 14mm F4.0 Air FE lens, focusing on its ultra-wide angle performance, compact design, and suitability for full-frame cameras.

Video: AF 14mm F4.0 Air FE Full-Frame Ultra-Wide Sample Images. This video presents a collection of sample images captured with the VILTROX AF 14mm F4.0 Air FE lens, showcasing its image quality and wide-angle capabilities.

Video: AF 14mm F4.0 Air FE Ultra-Wide Angle Lens Flash Portrait. A video demonstrating the use of the VILTROX AF 14mm F4.0 Air FE ultra-wide angle lens for flash portrait photography, highlighting its unique perspective.

5. MAINTENANCE

5.1 Cleaning the Lens

Use a soft, lint-free microfiber cloth to gently wipe dust and smudges from the lens elements. For stubborn marks, apply a small amount of specialized lens cleaning solution to the cloth (not directly to the lens) and wipe carefully. Avoid touching the glass directly with your fingers. Clean the lens body with a dry, soft cloth.

5.2 Storage

When not in use, always attach both the front and rear lens caps to protect the optical elements. Store the lens in a dry, dust-free environment, preferably in the provided lens pouch, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

6.1 Autofocus Issues

- **Slow or Inaccurate AF:** Ensure the lens elements are clean and there is sufficient light in the scene. Check your camera's focus mode and area settings. Update the lens firmware if a newer version is available.
- **AF Not Working:** Verify the lens is securely mounted to the camera. Check camera settings to ensure AF is enabled. Restart the camera.

6.2 Image Quality Concerns

- **Soft Images:** Confirm proper focus. Ensure the lens is securely attached and not loose. Check for dust or smudges on the lens elements.
- **Distortion or Vignetting:** Minor distortion or vignetting may be present at extreme wide angles. These can often be corrected using lens profiles in post-processing software.

7. SPECIFICATIONS

Feature	Detail
Brand	VILTROX
Model	14/4.0 FE
Focal Length	14mm
Maximum Aperture	f/4.0
Lens Type	Wide Angle
Compatible Mountings	Sony FE
Optical Design	12 elements in 9 groups (2 HR, 4 ED, 2 ASPH elements)
Minimum Focusing Distance	0.13m (13cm)
Field of View	112°
Autofocus Motor	STM
Filter Thread Size	58mm
Product Dimensions	2.22 x 2.56 x 2.56 inches
Item Weight	13.4 ounces

7.1 Optical Design Diagram



An exploded view illustrating the advanced optical design of the VILTROX 14mm f4.0 FE lens, detailing the placement of its 12 elements in 9 groups, which include High Refractive (HR), Extra-low Dispersion (ED), and Aspherical (ASPH) elements for optimal image quality.

7.2 MTF Chart








The MTF chart provides a technical representation of the VILTROX 14mm f4.0 FE lens's optical performance, showing its sharpness and contrast characteristics from the center to the edges of the frame at f/4 and f/8.

8. WARRANTY AND SUPPORT

This VILTROX lens comes with a standard manufacturer's warranty. For specific warranty terms, product registration, and technical support, please visit the official VILTROX website or contact your local distributor. You can find more information at the [VILTROX Official Store](#).

Related Documents - 14/4.0 FE

	<p>Viltrox 20mm F2.8 AF STM Lens for Sony E-Mount: User Manual and Specifications</p> <p>Comprehensive guide to the Viltrox 20mm F2.8 AF STM lens for Sony E-mount cameras, covering features, specifications, optical performance, and usage instructions.</p>
	<p>VILTROX AF 135/1.8 LAB Z Lens: Features, Specifications, and Manual</p> <p>Comprehensive guide to the VILTROX AF 135/1.8 LAB Z Z-mount camera lens, covering features, identification of parts, functions, handling, safety, and technical specifications.</p>
	<p>Viltrox AF 23mm f/1.4 XF and Z Mount Camera Lens Specifications</p> <p>Comprehensive technical specifications, features, and performance data for the Viltrox AF 23mm f/1.4 camera lenses designed for Fujifilm X and Nikon Z mounts, including MTF charts and optical design details.</p>

<div><p>VILTROX</p><p>AF 9/2.8 E E-Mount</p><p>Thank you for choosing Viltrox Lens!</p><p><small>Before handling the lens and your camera, please read the manual carefully so as to understand and use all the functions of the lens.</small></p><p><small>Shenzhen Viltrox Technology Co., Ltd. Shenzhen, China 518107 Tel: +86 (0)755 26711338 Fax: +86 (0)755 26711339 Email: sales@viltrox.com Website: www.viltrox.com</small></p><p>10</p></div>	<p>Viltrox AF 9mm f/2.8 E-Mount Lens - User Manual and Specifications</p> <p>Comprehensive user manual and technical specifications for the Viltrox AF 9mm f/2.8 E lens, designed for E-mount cameras. Covers features, installation, safety precautions, cleaning, and detailed performance data.</p>
<div><p>11</p></div>	<p>Viltrox AF 33mm f/1.4 Camera Lens User Manual and Specifications</p> <p>Comprehensive user guide and technical specifications for the Viltrox AF 33mm f/1.4 prime lens, covering Fujifilm X, Sony E, and Nikon Z mounts. Includes optical performance data and lens feature descriptions.</p>
<div><p>VILTROX</p><p>AF 50/2.0 Z Z-Mount</p><p>Thank you for choosing Viltrox Lens!</p><p><small>Before handling the lens and your camera, please read the manual carefully so as to understand and use all the functions of the lens.</small></p><p><small>Shenzhen Viltrox Technology Co., Ltd. Shenzhen, China 518107 Tel: +86 (0)755 26711338 Fax: +86 (0)755 26711339 Email: sales@viltrox.com Website: www.viltrox.com</small></p><p>12</p></div>	<p>Viltrox AF 50/2.0 Z Lens Manual and Specifications</p> <p>Comprehensive guide for the Viltrox AF 50/2.0 Z lens, covering features, attachment, detachment, lens hood usage, construction, MTF graphs, safety notes, tips, cleaning, and detailed specifications for Z-mount cameras.</p>