

VILTROX 50mm F2.0 Full Frame

VILTROX AF 50mm F2.0 FE-Mount Lens User Manual

Model: 50mm F2.0 Full Frame

INTRODUCTION

The VILTROX AF 50mm F2.0 FE-Mount lens is a versatile prime lens designed for Sony E-mount cameras. This full-frame compatible lens offers a natural perspective and excellent low-light performance, making it suitable for various photography and videography applications. Its advanced optical design and efficient autofocus system ensure high-quality results.

WHAT'S IN THE BOX

Upon opening your VILTROX AF 50mm F2.0 FE-Mount lens package, you should find the following items:

- 1x VILTROX AF 50mm F2.0 FE-Mount Lens
- 1x Lens Hood
- 1x Pouch Case
- 1x Front Lens Cap
- 1x Rear Lens Cap
- 1x Cleaning Cloth



Image: The complete package contents of the VILTROX AF 50mm F2.0 FE-Mount lens.

SETUP

Attaching the Lens to Your Camera

1. Ensure your camera is powered off before attaching or detaching any lens.
2. Remove the rear lens cap from the VILTROX 50mm F2.0 FE-Mount lens and the body cap from your Sony E-mount camera.
3. Align the white index mark on the lens barrel with the corresponding white index mark on your camera's lens mount.
4. Gently insert the lens into the camera mount and rotate it clockwise until it clicks into place. Do not force the lens.
5. Once securely attached, you can power on your camera.



Image: The VILTROX 50mm F2.0 FE-Mount lens mounted on a compatible Sony camera body.

Initial Checks

- Verify that the lens is firmly seated and does not wobble.
- Check the front and rear elements for any dust or smudges. Use the provided cleaning cloth if necessary.
- Ensure the aperture ring is set to the desired F-stop or to 'A' for automatic control via the camera.

OPERATING THE LENS

Focal Length and Perspective

The 50mm focal length provides a natural and authentic perspective, closely mimicking human vision. This makes it highly versatile for various shooting scenarios, including:

- **Portraits:** Ideal for capturing subjects with pleasing background separation.
- **Street Photography:** Offers a discreet and natural field of view.
- **Landscapes:** Suitable for capturing scenes with a natural sense of depth.
- **Everyday Documentation:** Excellent for general-purpose photography.

Large Aperture (F2.0)

The wide F2.0 aperture allows for significant light gathering, making the lens suitable for low-light conditions. It also enables

the creation of a shallow depth of field, producing a dreamy and artistic bokeh effect. This effectively blurs distracting backgrounds, highlighting your subject.



Image: An example of the pleasing background blur (bokeh) achievable with the F2.0 aperture.

Autofocus System

The VILTROX 50mm F2.0 FE-Mount lens features a built-in STM (Stepping Motor) for efficient and reliable autofocus. This motor provides precise and quiet focusing, crucial for both still photography and video recording. The lens supports advanced autofocus features such as Eye/Face AF, ensuring your subjects remain sharp and in focus.

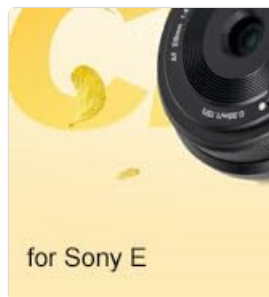


Image: A visual representation of the lens's Eye/Face autofocus capability, highlighting the detected eye.

Video Shooting Capabilities

This lens is designed with comprehensive video shooting capabilities. It supports in-body stabilization (if available on your camera) and exhibits low distortion and minimal breathing effect, which are critical for professional video production. Its lightweight and compact design also make it ideal for vlogging and handheld video recording.

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Video: A demonstration of the VILTROX 50mm F2.0 FE-Mount lens, showcasing its compact size and how it mounts onto a camera. The video highlights the lens's features and suitability for various shooting scenarios.

MAINTENANCE

Cleaning the Lens

- Always use a soft, lint-free microfiber cloth specifically designed for optical surfaces.
- For dust, use a blower brush first to remove loose particles. Avoid wiping dry lens surfaces as this can cause scratches.
- For smudges or fingerprints, apply a small amount of lens cleaning solution to the cloth (not directly to the lens) and gently wipe in a circular motion from the center outwards.
- Never use harsh chemicals, solvents, or abrasive materials.

Storage

- When not in use, always attach both the front and rear lens caps to protect the optical elements.
- Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, consider using a dehumidifying cabinet or silica gel packets to prevent mold growth.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Autofocus hunts or is slow	Low light conditions, low contrast subject, or camera settings.	Ensure adequate lighting. Focus on a high-contrast area. Check camera's AF mode and settings (e.g., switch to single-shot AF for static subjects). Update lens firmware if available.
Vignetting (dark corners in images)	Natural characteristic of wide aperture lenses, especially at wider apertures.	This can often be corrected in post-processing software (e.g., Adobe Lightroom) using lens profiles. It may also be less noticeable at smaller apertures.
Lens not recognized by camera	Improper mounting, dirty contacts, or outdated firmware.	Ensure the lens is securely mounted. Clean the electrical contacts on both the lens and camera with a clean, dry cloth. Check VILTROX's official website for the latest firmware updates for your lens and camera.
Image quality issues (e.g., chromatic aberration)	Optical characteristics of the lens, especially in high-contrast situations.	Minor chromatic aberration can often be corrected in post-processing software. Ensure proper exposure and focus.

SPECIFICATIONS

Feature	Detail
Brand	VILTROX
Model Number	50mm F2.0 Full Frame
Focal Length	50mm
Lens Type	Standard Prime Lens
Maximum Aperture	F2.0
Optical Structure	13 elements in 9 groups (including 3 ED lenses, 4 high refractive index lenses, 1 aspherical lens)
Autofocus Motor	STM Stepping Motor
Compatible Mountings	Sony E, Sony FE

Feature	Detail
Minimum Focusing Distance	0.51m (1.67ft)
Filter Size	58mm
Product Dimensions	2.22 x 2.56 x 2.56 inches
Item Weight	10.6 ounces (approx. 205g)



Image: The compact and lightweight design of the VILTROX 50mm F2.0 FE-Mount lens, weighing approximately 205g.

WARRANTY AND SUPPORT

VILTROX is committed to providing high-quality products and customer satisfaction. If you encounter any issues or require assistance with your VILTROX AF 50mm F2.0 FE-Mount lens, please refer to the following information:

Contacting Support

For technical support, warranty claims, or general inquiries, please visit the official VILTROX website or contact their customer service directly. You can find contact details and support resources at: www.viltrox.com

Firmware Updates

VILTROX regularly releases firmware updates to improve lens performance, compatibility, and add new features. It is recommended to keep your lens firmware up to date. You can check for the latest firmware and download instructions on the official VILTROX website. To determine your current camera version, refer to your camera's menu settings.

Is this lens compatible with my camera?

Please ask us for this question.

Where can I get the latest firmware?

Please reach out us with your current camera version to get the latest firmware to update (the camera version can be checked on the camera menu).

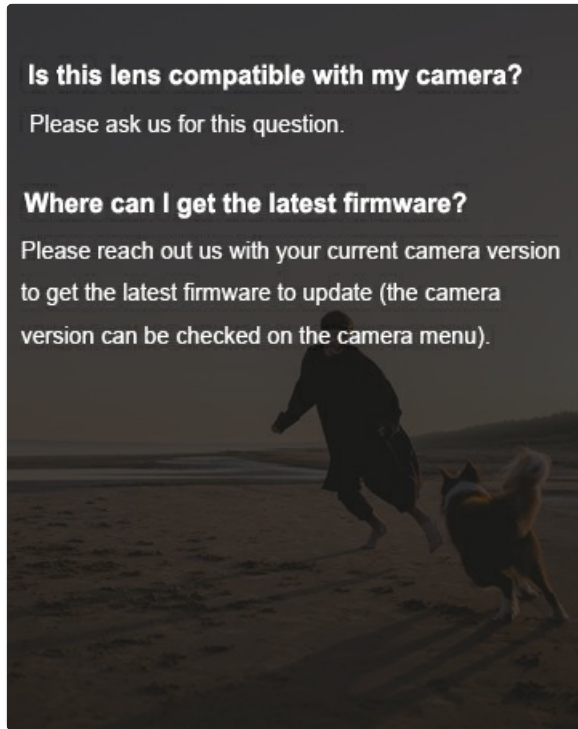







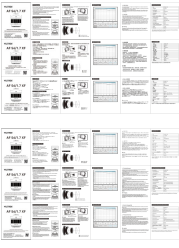


Image: Information regarding VILTROX customer support and firmware updates.

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Related Documents - 50mm F2.0 Full Frame

	<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 FE E-mount Lens - User Manual</p> <p>User manual for the Viltrox AF 135/1.8 LAB FE E-mount lens, detailing features, specifications, usage instructions, and safety notes.</p>
	<p>Sony FE 50mm F1.4 GM Lens Operating Instructions</p> <p>Comprehensive operating instructions and specifications for the Sony FE 50mm F1.4 GM E-mount camera lens, covering attachment, focusing, aperture control, and essential usage guidelines.</p>

<div><p>VILTROX</p><p>AF 50/2.0 Z</p><p>Z-Mount</p><p>Thank you for choosing Viltrox Lens!</p><p>Before mounting the lens onto your camera, please read the manual carefully so as to understand and use all the functions of the lens.</p><p>Shenzhen Viltrox Technology Co., Ltd. Tel: +86 (0) 755 2712 2888 Fax: +86 (0) 755 2712 1238 E-mail: sales@viltrox.com.cn Website: www.viltrox.com Address: 5017, Yantian 2, Shennan 2, Shenzhen 518054, China Shipping: DHL, FedEx, UPS, EMS, China Post Registered Mail</p><p>11</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>
<div><p>VILTROX</p><p>AF 50/2.0 Z</p><p>Z-Mount</p><p>Thank you for choosing Viltrox Lens!</p><p>Before mounting the lens onto your camera, please read the manual carefully so as to understand and use all the functions of the lens.</p><p>Shenzhen Viltrox Technology Co., Ltd. Tel: +86 (0) 755 2712 2888 Fax: +86 (0) 755 2712 1238 E-mail: sales@viltrox.com.cn Website: www.viltrox.com Address: 5017, Yantian 2, Shennan 2, Shenzhen 518054, China Shipping: DHL, FedEx, UPS, EMS, China Post Registered Mail</p><p>11</p></div>	<p>VILTROX AF 50/2.0 Z Lens User Manual - Features, Specs, and Usage</p> <p>Comprehensive user manual for the VILTROX AF 50/2.0 Z lens, covering its features, optical construction, MTF performance, attachment, detachment, lens hood use, safety precautions, cleaning, and detailed specifications for Z-mount cameras.</p>
<div><p>12" 4447200mm</p><p>50/1.7 4447200mm</p><p>50/1.7 4447200mm</p></div>	<p>Viltrox AF 56/1.7 XF Lens for Fujifilm X-Mount - Features, Specifications, and Guide</p> <p>Detailed information on the Viltrox AF 56/1.7 XF prime lens for Fujifilm X-Mount cameras. Discover its features, optical design, specifications, MTF charts, and usage instructions for professional photography.</p>