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› [VILTROX 28mm F4.5 XF Pancake APS-C Lens User Manual for Fujifilm X-Mount](#)

VILTROX 28mm F4.5

VILTROX 28mm F4.5 XF Pancake APS-C Lens

USER MANUAL

Introduction

This manual provides detailed instructions for the proper use and care of your VILTROX 28mm F4.5 XF Pancake APS-C Auto Focus Wide Angle Prime Lens. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

The VILTROX 28mm F4.5 XF lens is a compact, wide-angle prime lens designed for Fujifilm X-mount cameras. It offers a versatile perspective suitable for landscapes, architecture, and environmental portraits. Its lightweight and slim design make it highly portable.

Key Features

- **Wide-Angle Perspective:** 28mm focal length (42mm equivalent on APS-C) for broad views.
- **Ultra-Light and Slim Design:** Weighs approximately 60g and measures 15.3mm, enhancing portability.
- **Efficient Autofocus:** Features a VCM autofocus motor for precise and quick focusing.
- **Exceptional Optical Quality:** Composed of 6 elements in 6 groups, including 2 ED and 2 aspherical lenses, for sharp images and vibrant colors.
- **Innovative Slide Cap Design:** Integrated lens cap that slides to transform into a lens, protecting it from dust and dirt.
- **Multi-layer Coating:** Minimizes ghosting and flare for clear images.
- **USB-C Firmware Upgrade Interface:** Allows for future firmware updates.

Product Overview



Figure 1: Front view of the VILTROX 28mm F4.5 XF Pancake Lens, showcasing its compact design and integrated lens cap.

Detail Introduction



F4.5 Fixed Aperture



HD Nano Multi-layer Coating



Front Lens Waterproof and Anti-fouling Coating



Precision and Reliable Aluminum Alloy Mount



USB-C Firmware Upgrade Interface

Figure 2: Various angles of the lens, including front, rear, and side profiles, highlighting its slim form factor and Fujifilm X-mount interface.



Figure 3: Illustration of key features including HD Nano Multi-layer Coating, F4.5 Fixed Aperture, Front Lens Waterproof and Anti-fouling Coating, Precision Aluminum Alloy Mount, and USB-C Firmware Upgrade Interface.



Figure 4: Cross-section view showing the optical construction with 2 Aspherical and 2 ED lenses, contributing to image quality.

Setup

1. Attaching the Lens

1. Align the white dot on the lens barrel with the white dot on your Fujifilm X-mount camera body.

2. Gently insert the lens into the camera mount.
3. Rotate the lens clockwise until it clicks into place, indicating it is securely locked.



Figure 5: The VILTROX 28mm F4.5 XF lens shown both attached to and detached from a Fujifilm X-T50 camera body, illustrating the mounting process.

2. Operating the Slide Cap

The lens features an integrated slide cap for protection and convenience.

- To open the lens for shooting, slide the lever from the 'OFF' position to the 'ON' position. This transforms the cap into the lens element.
- To close and protect the lens, slide the lever back to the 'OFF' position. This minimizes dust and dirt accumulation.



Figure 6: A close-up of the lens demonstrating the slide lever mechanism for opening and closing the integrated lens cap.



Figure 7: An animated representation showing the smooth transition of the slide cap from closed to open position.

Operating the Lens

1. Autofocus Functionality

The VILTOX 28mm F4.5 XF lens utilizes a VCM autofocus motor for quick and precise focusing. It supports advanced autofocus features available on compatible Fujifilm X-mount cameras.

- **Eye Autofocus:** Detects and focuses on the subject's eyes for sharp portraits.
- **Face Autofocus:** Detects and focuses on the subject's face.

Ensure your camera's autofocus mode is set appropriately for optimal performance.

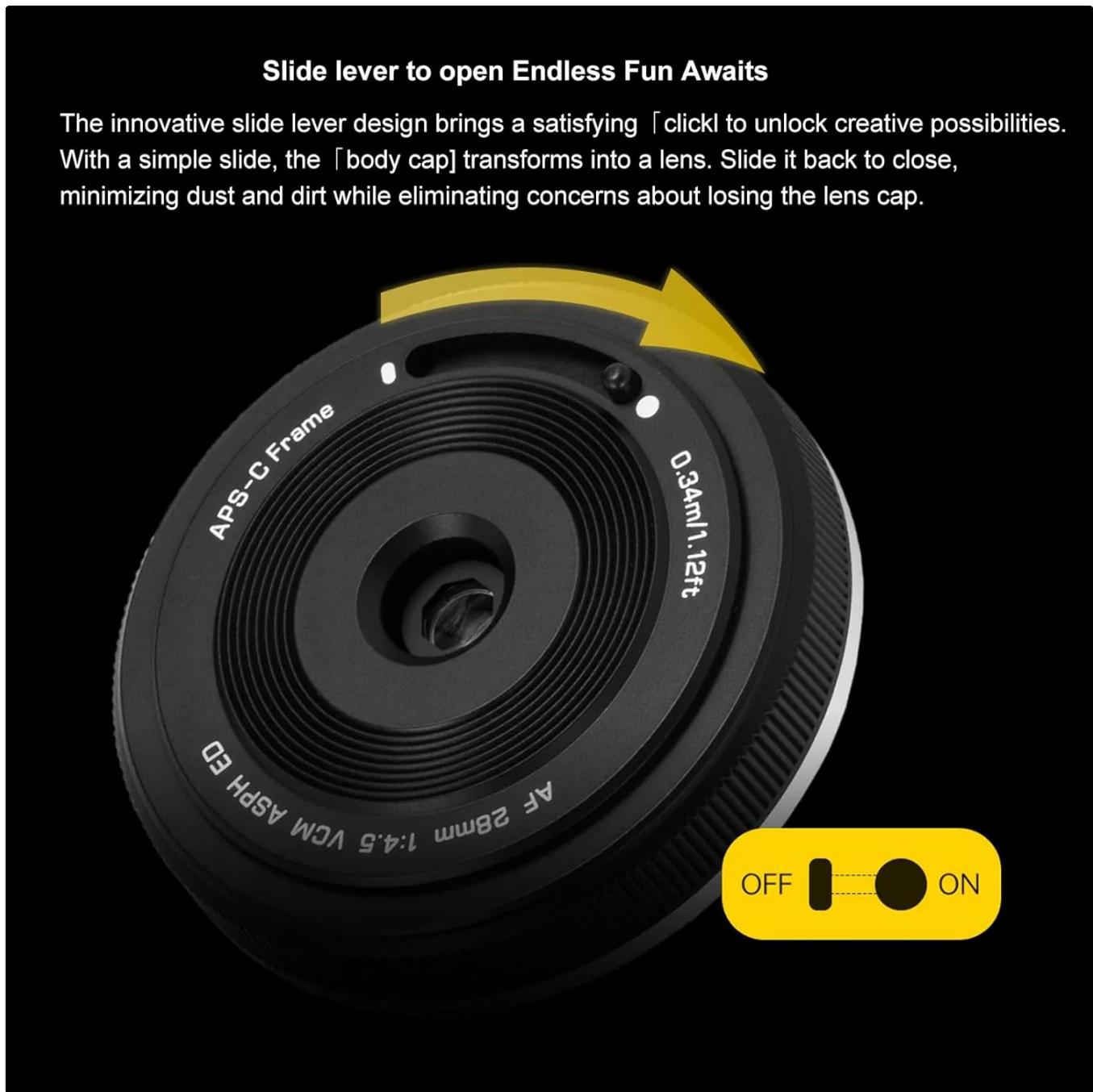


Figure 8: Visual representation of Eye Autofocus and Face Autofocus in action, highlighting the lens's ability to accurately track subjects.



Figure 9: A close-up image demonstrating the Eye Autofocus feature, with a green box indicating focus on the subject's eye.

2. Aperture

The lens features a fixed aperture of F4.5. This means the aperture cannot be adjusted manually on the lens itself.

Exposure control will be managed through your camera's shutter speed and ISO settings.

3. Focusing Distance

The minimum focusing distance for this lens is 0.34 meters (1.12 feet).

Maintenance

1. Cleaning the Lens

- Use a soft, lint-free cloth or a lens brush to remove dust from the lens surfaces.
- For stubborn smudges or fingerprints, apply a small amount of lens cleaning solution to a clean microfiber cloth and gently wipe the lens in a circular motion.
- Avoid using abrasive materials or harsh chemicals, as these can damage the lens coatings.

2. Storage

- When not in use, ensure the slide cap is in the 'OFF' position to protect the lens elements.
- Store the lens in a dry, cool place, away from direct sunlight and extreme temperatures.
- Consider using a lens pouch or case for added protection during transport.

Troubleshooting

1. Autofocus Issues

- Lens not focusing:** Ensure the lens is securely mounted to the camera body. Check your camera's autofocus settings.
- Slow autofocus:** In low light conditions or with low-contrast subjects, autofocus may be slower. Ensure adequate lighting or switch to manual focus if necessary.

2. Image Quality Concerns

- Soft images:** Ensure the lens elements are clean and free from dust or smudges. Verify that the camera's focus is accurate.
- Flare or ghosting:** While the lens has multi-layer coatings, strong direct light sources can still cause flare. Use a lens hood (if compatible) or adjust your shooting angle to minimize this.

3. Firmware Updates

The lens features a USB-C port for firmware updates. Visit the official VILTROX website for the latest firmware and instructions. Keeping your lens firmware updated can improve performance and compatibility.

Specifications

Feature	Specification
Focal Length	28mm (42mm equivalent on APS-C)
Maximum Aperture	F4.5
Minimum Aperture	F4.5 (Fixed)
Lens Construction	6 elements in 6 groups

Feature	Specification
Special Elements	2 ED lenses, 2 Aspherical lenses
Minimum Focusing Distance	0.34m (1.12ft)
Maximum Magnification	0.1x
Autofocus Motor	VCM
Filter Size	Not specified (integrated cap design)
Dimensions (D x L)	Approx. 60.5mm x 15.3mm
Weight	Approx. 60g (2.1 oz)
Compatible Mount	Fujifilm X-Mount
Firmware Interface	USB-C



Figure 10: Visual representation of the lens's compact size and weight (60g), demonstrating its portability and slim profile.

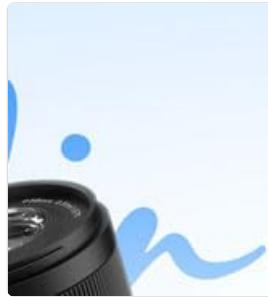


Figure 11: Modulation Transfer Function (MTF) chart illustrating the lens's optical performance, alongside an image of the lens held in hand.

What's in the Box

- VILTROX 28mm F4.5 XF Pancake APS-C Lens
- Lens Cap (integrated)
- User Manual
- Warranty Card
- Package Box
- Clean Cloth

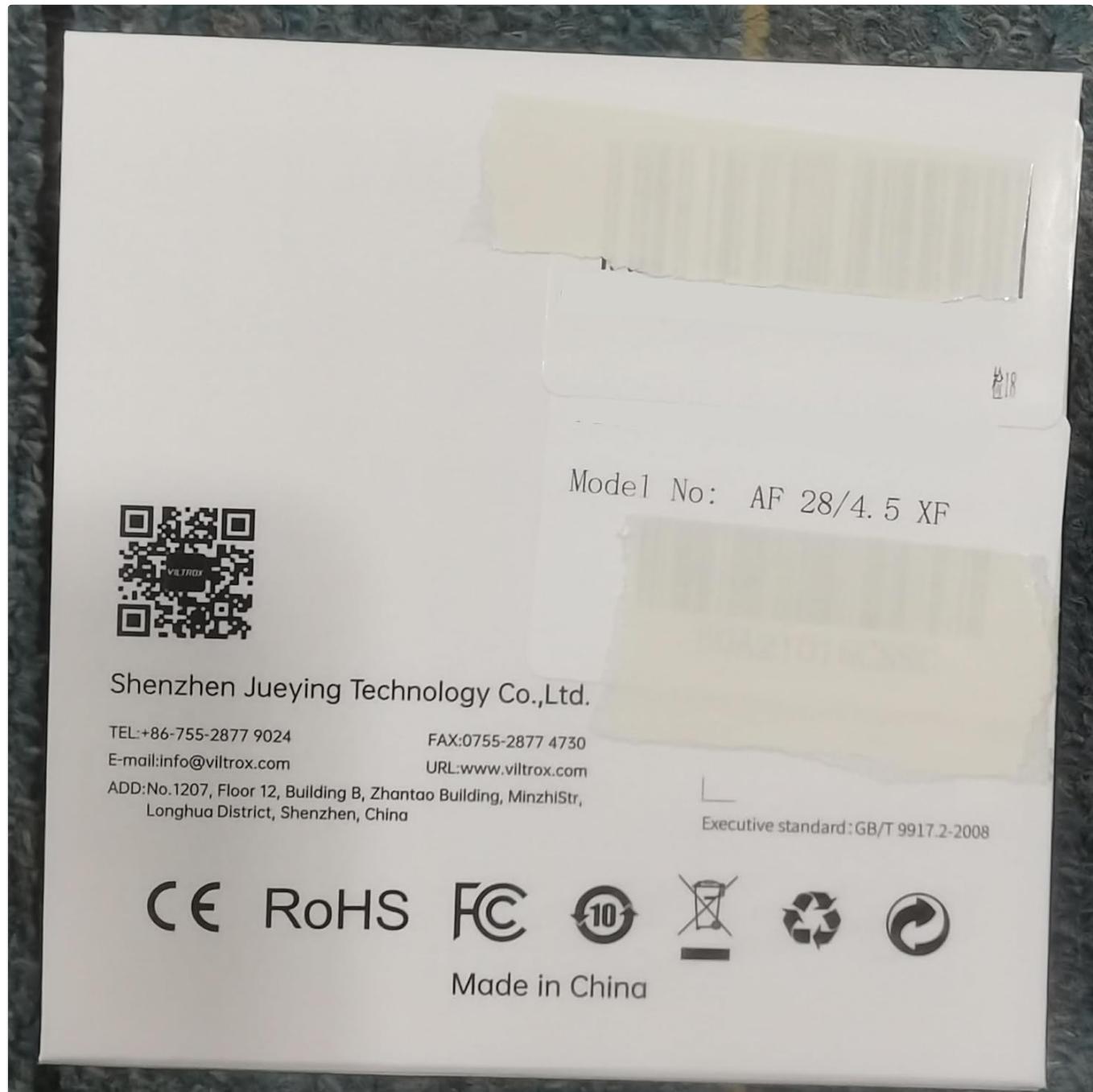


Figure 12: The lens package contents, including the lens, integrated lens cap, user manual, and warranty card.



Figure 13: Another view of the product packaging and its contents, confirming the included accessories.

Warranty and Support

VILTOX products are covered by a limited warranty. Please refer to the included warranty card for specific terms and conditions. For technical support, firmware updates, or any product-related inquiries, please visit the official VILTOX website or contact customer service.

Official Website: www.viltrox.com

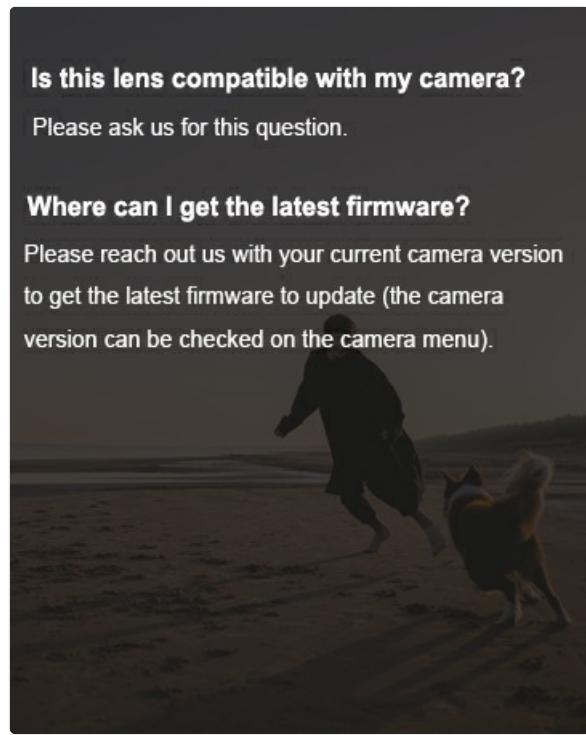


Figure 14: VILTROX brand information, indicating their establishment in 2009 and commitment to customer support.

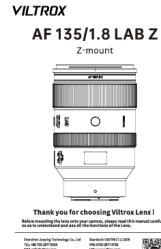
Related Documents - 28mm F4.5

	<p>Viltrox AF 15mm F1.7 XF Lens Compatibility List v1.0.1</p> <p>Viltrox AF 15mm F1.7 XF lens compatibility guide for Fujifilm X-Mount cameras. Check camera model and firmware compatibility for photo and video modes.</p>
	<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>
	<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>



[VILTROX EF-FX1 Pro Auto Focus Mount Adapter for Canon EF to Fuji X Cameras](#)

The VILTROX EF-FX1 Pro is an auto-focus mount adapter designed to connect Canon EF/EF-S lenses to Fuji X-mount mirrorless cameras, expanding lens compatibility. Features include aperture control, firmware updates, and electronic contacts for seamless operation.



[VILTROX AF 135/1.8 LAB Z Lens: Features, Specifications, and Manual](#)

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.



[TTARTISAN AF 14mm f3.5 Lens User Manual & Specifications](#)

Comprehensive user manual and technical specifications for the TTARTISAN AF 14mm f3.5 APS-C prime camera lens. Includes installation, safety, and care instructions.