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VILTROX VZS-03212

VILTROX 56mm F1.4 Autofocus E Lens

Instruction Manual - Model: VZS-03212

1. INTRODUCTION

Thank you for choosing the VILTROX 56mm F1.4 Autofocus E Lens. This high-performance prime lens is designed for Sony E-mount APS-C cameras, offering a large F1.4 aperture for excellent low-light performance and beautiful bokeh. Its advanced optical design and autofocus capabilities make it ideal for portraits, landscapes, and everyday photography.

Key Features:

- Large F1.4 aperture for stunning background blur and low-light shooting.
- Autofocus support, including Eye-AF, for precise and fast focusing.
- Noiseless STM focus motor for smooth and quiet operation, suitable for both photos and videos.
- HD nano multilayer coating for high sharpness and excellent resolution.
- Compact and portable design, weighing approximately 290g.
- Durable precision brass bayonet mount.

2. PRODUCT OVERVIEW



Figure 2.1: Front view of the VILTROX 56mm F1.4 E lens, showing the front element and aperture ring.



Figure 2.2: The VILTRON 56mm F1.4 E lens mounted on a Sony E-mount camera, highlighting its compact size.

The lens features a robust metal construction, providing a premium feel and durability. The focus ring and aperture ring are designed for smooth operation, allowing for precise adjustments.

Outstanding Close-up Performance

The lens is provided with excellent close-up performance, which makes it easier to take close-up photos.



Auto Focus



F1.4 large aperture



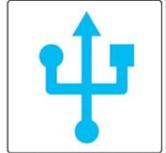
Compact & Portable



EXIF Info



Soft & Beautiful Bokeh



USB Upgrade



Brass bayonet



Eye focus

Figure 2.3: Rear view of the lens showing the brass bayonet mount and electronic contacts. Icons indicate features like autofocus, large aperture, compact size, EXIF info, soft bokeh, USB upgrade, and eye focus.



PORTRAIT LENS SPECIALLY DESIGNED FOR SONY EOSM



Figure 2.4: The VILTROX 56mm F1.4 E lens with its included lens hood attached, providing protection from flare and impact.

3. SETUP

3.1 Attaching the Lens

1. Ensure your camera is turned off.
2. Align the white dot on the lens barrel with the white dot on your camera's lens mount.
3. Gently insert the lens into the camera mount.
4. Rotate the lens clockwise until it clicks into place, indicating it is securely locked.

3.2 Attaching/Detaching the Lens Hood

The lens comes with a dedicated lens hood to reduce flare and provide physical protection. The hood can be mounted in two orientations: for use, or reversed for storage.

1. **For Use:** Align the white dot on the lens hood with the white dot on the front of the lens. Rotate the hood clockwise until it clicks into place.

2. **For Storage:** Align the white dot on the lens hood with the white dot on the front of the lens. Rotate the hood counter-clockwise until it detaches. Flip the hood around and align the white dot on the hood with the white dot on the front of the lens again, then rotate clockwise until it clicks into place. This allows for compact storage.

3.3 Firmware Update

The VILTROX 56mm F1.4 E lens supports firmware updates via a USB-C port located on the lens mount. This ensures compatibility with new camera models and performance improvements.

1. Visit the official VILTROX website's download center to find the latest firmware for your specific lens model.
2. Download the firmware file to your computer.
3. Connect the lens to your computer using a USB-C cable. The lens should appear as an external drive.
4. Drag and drop the downloaded firmware file onto the lens's external drive.
5. Safely eject the lens from your computer and disconnect the cable. The firmware update will automatically apply.

Video 3.1: Official VILTROX video demonstrating the AF 56mm F1.4 E-mount lens. This video provides a visual overview of the lens and its features, including its compact design and build quality.

4. OPERATING THE LENS

4.1 Autofocus (AF)

The VILTROX 56mm F1.4 E lens supports fast and accurate autofocus, including advanced features like Eye-AF on compatible Sony E-mount cameras. Ensure your camera's autofocus settings are configured for optimal performance.

- For best results, use your camera's latest firmware.
- The STM motor provides quiet autofocus, ideal for video recording.

4.2 Manual Focus (MF)

To use manual focus, set your camera to MF mode. The wide focus ring on the lens barrel provides a smooth and precise manual focusing experience. The focus-by-wire system ensures accurate adjustments.

4.3 Aperture Control

The lens features a dedicated aperture ring with clickless operation, allowing for smooth aperture adjustments, which is beneficial for video. You can also control the aperture directly from your camera body if you prefer.

- To control aperture via the lens ring, rotate the ring to your desired F-stop (F1.4 to F16).
- To control aperture via the camera body, set the lens aperture ring to the 'A' (Auto) position.

4.4 Bokeh Characteristics

With its F1.4 maximum aperture and 9-blade rounded diaphragm, the lens produces exceptionally smooth and creamy bokeh, making subjects stand out beautifully against blurred backgrounds. This is particularly effective for portrait photography.

5. MAINTENANCE

5.1 Cleaning the Lens

To maintain optimal image quality, keep the lens elements clean. Use a soft, lint-free cloth or a lens brush to remove dust. For smudges or fingerprints, use a specialized lens cleaning solution and a microfiber cloth.

- Avoid touching the glass elements directly with your fingers.
- Do not use harsh chemicals or abrasive materials.

5.2 Storage

When not in use, store the lens with both front and rear caps attached. The included soft pouch provides additional protection against dust and minor impacts.

- Store the lens in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid storing the lens in areas with high humidity to prevent mold growth.

6. TROUBLESHOOTING

6.1 Autofocus Issues

If you experience issues with autofocus, such as