VILTROX 15mm F1.7

VILTROX 15mm F1.7 E-Mount Lens User Manual

Model: 15mm F1.7

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your VILTROX 15mm F1.7 E-Mount APS-C Ultra Wide Angle Autofocus Lens. Please read this manual thoroughly before using the lens to ensure optimal performance and longevity. Keep this manual for future reference.

2. PRODUCT OVERVIEW

Key Features

- **Ultra Wide Angle:** 15mm focal length with an 84.9° angle of view, ideal for landscapes, architecture, interiors, and VLOG photography.
- **Large Aperture:** F1.7 maximum aperture with 9 aperture blades for excellent low-light performance and smooth, aesthetic background blur (bokeh).
- **Fast Autofocus:** Equipped with an STM motor for precise, fast, and quiet autofocus, supporting Eye/Face AF for tracking subjects like portraits and pets.
- **Close Focusing:** Minimum focusing distance of 0.23m (0.75ft) allows for creative close-up shots with exaggerated perspectives.
- **Optimized for Video:** Provides smooth and natural focus transitions during video recording, suitable for vlogging and dynamic shooting.
- **Optical Design:** Features 12 elements in 10 groups, including ED low-dispersion and aspherical lens elements to minimize chromatic aberration and distortion.
- **Compact & Lightweight:** Weighs approximately 180g, making it highly portable and comfortable for extended use.

- **Filter Size:** Supports 58mm filters.

Package Contents

- 1x VILTROX 15mm F1.7 E-Mount Lens

- 1x Lens Hood (PL-124A)

- 1x Pouch Case

- 1x Front Lens Cap

- 1x Rear Lens Cap

- 1x Clean Cloth

Image: The VILTROX 15mm F1.7 E-Mount Lens package contents, including the lens, lens hood, pouch, and caps.

3. SETUP

Attaching the Lens to Your Camera

1. Ensure your camera is powered off.

2. Align the white dot on the lens barrel with the white dot on your Sony E-mount camera body.

3. Gently insert the lens into the camera's lens mount.

4. Rotate the lens clockwise until it clicks into place, indicating it is securely locked.

Image: The VILTROX 15mm F1.7 lens securely attached to a Sony A6700 mirrorless camera.

Attaching the Lens Hood

The included lens hood (PL-124A) helps to prevent flare and ghosting caused by stray light, and also offers some physical protection to the front element. Align the lens hood with the front of the lens and twist until it locks into position.

Image: The VILTROX 15mm F1.7 lens shown with its dedicated lens hood attached.

Firmware Updates

The lens features a USB-C port on the mount for firmware updates. To update the firmware, connect the lens to a computer using a USB-C cable and follow the instructions provided on the VILTROX official website. Ensure your camera's firmware is also up-to-date for best compatibility and performance.

Video: An overview of the VILTROX AF 15mm F1.7 Air APS-C Wide Angle Lens, highlighting its features including the USB-C port for firmware updates.

4. OPERATING INSTRUCTIONS

Autofocus (AF) Operation

The VILTROX 15mm F1.7 lens utilizes an STM (Stepping Motor) for fast, quiet, and precise autofocus. When attached to a compatible Sony E-mount camera, the lens supports various AF modes, including Eye AF and Face Detection AF, which are particularly useful for portrait and vlogging scenarios. Ensure your camera's AF

settings are configured as desired.

Image: Demonstrations of the lens's Eye/Face Autofocus capabilities, tracking subjects accurately.

Manual Focus (MF) Operation

For situations requiring precise control, the lens supports manual focus. Switch your camera to MF mode. Rotate the focus ring on the lens to adjust focus. Your camera's focus peaking and magnification features can assist in achieving critical focus.

Aperture Control

The F1.7 large aperture allows for significant control over depth of field and excellent performance in low-light conditions. You can adjust the aperture directly from your camera body, or if the lens has an aperture ring, use that to set your desired f-stop. A wider aperture (smaller f-number) will create a shallower depth of field, blurring the background and isolating your subject.

Image: A close-up photograph of a flower, showcasing the creamy bokeh and shallow depth of field achievable with the F1.7 aperture.

Video Recording

The VILTROX 15mm F1.7 lens is well-suited for video recording, offering smooth and quiet autofocus transitions. Its wide-angle view is beneficial for vlogging, capturing expansive scenes, and maintaining focus on moving subjects. The compact size also makes it ideal for gimbal use.

Image: A person using a Sony camera equipped with the VILTROX 15mm F1.7 lens for vlogging, demonstrating its suitability for video content creation.

5. MAINTENANCE

Cleaning the Lens

- Use a blower brush to remove dust and loose particles from the lens surface.
- For smudges or fingerprints, use a clean microfiber lens cloth and a small amount of lens cleaning solution. Apply the solution to the cloth, not directly to the lens.
- Wipe gently in a circular motion from the center outwards.
- Avoid touching the glass elements with your fingers.

Storage

- Always attach the front and rear lens caps when the lens is not in use.
- Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, consider using a dehumidifying agent to prevent mold growth.

General Handling

- Avoid dropping or subjecting the lens to strong impacts.
- Do not attempt to disassemble the lens, as this will void the warranty and may cause damage.
- Protect the lens from water and excessive moisture.

6. TROUBLESHOOTING

Autofocus Issues

- **Lens not focusing:** Ensure the camera is set to an autofocus mode (AF-S, AF-C, or AF-A). Check for

sufficient light in the scene.

- **Slow or inaccurate AF:** Update both the lens and camera firmware to the latest versions. Clean the lens contacts on both the lens and camera body.

Image Quality Concerns

- **Soft images:** Verify that the lens is properly attached and that the focus mode is correctly set. Check for smudges on the lens elements.
- **Vignetting or distortion:** While some wide-angle lenses exhibit minor characteristics, ensure lens correction profiles are enabled in your camera or post-processing software.

General Malfunctions

- If the lens is not recognized by the camera, power cycle both devices. Re-attach the lens, ensuring a secure connection.
- For persistent issues, refer to the VILTROX support website or contact customer service.

7. SPECIFICATIONS

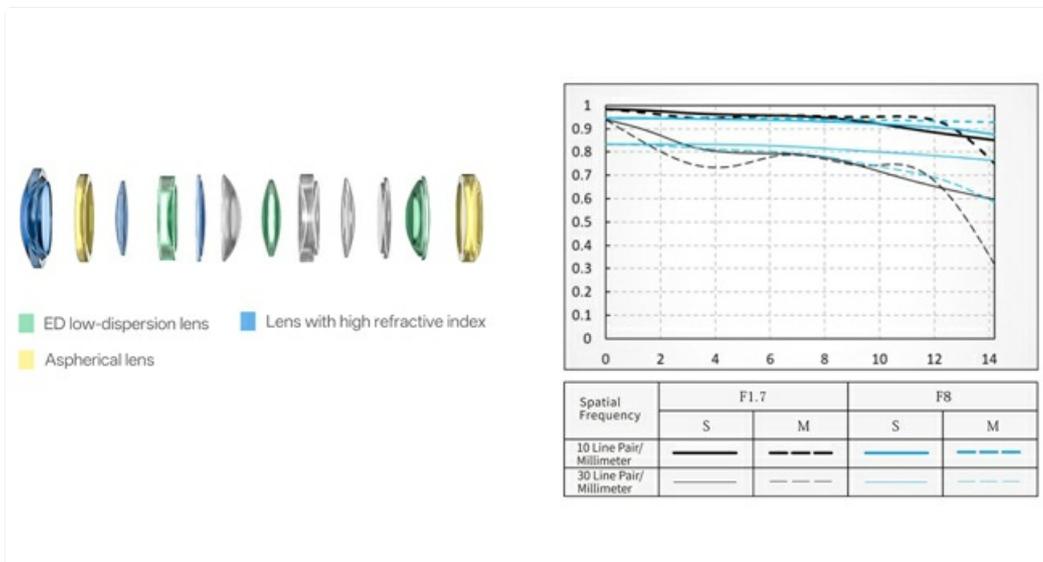| Feature	Specification
Brand	VILTROX
Model Number	15mm F1.7
Focal Length	15mm (Prime Lens)
Maximum Aperture	F1.7
Minimum Aperture	Not specified in provided data
Lens Type	Ultra Wide Angle
Compatible Mountings	Sony E
Lens Construction	12 elements in 10 groups
Diaphragm Blades	9
Angle of View	84.9°
Minimum Focusing Distance	0.23m (0.75ft)
Autofocus Motor	STM (Stepping Motor)
Filter Size	58mm
Product Dimensions	2.22 x 2.56 x 2.56 inches
Item Weight	6.3 ounces (approx. 180g)

Image: Optical construction diagram of the lens elements and an MTF chart illustrating lens performance.

8. WARRANTY AND SUPPORT

Warranty Information

VILTROX products typically come with a limited warranty covering manufacturing defects. Please refer to the warranty card included in your package or visit the official VILTROX website for specific warranty terms and conditions applicable to your region.

Customer Support

For technical assistance, troubleshooting, or inquiries regarding your VILTROX 15mm F1.7 lens, please contact VILTROX customer support through their official website. You may also find FAQs and additional resources on their support pages.

For firmware updates, please visit the VILTROX official website and provide your current camera version to receive the latest firmware. The camera version can typically be checked in your camera's menu settings.