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VILTROX XY-JYC-03365

VILTROX 75mm f/1.2 EF PRO EF Lens User Manual

Model: XY-JYC-03365

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your VILTROX 75mm f/1.2 EF PRO EF Lens. Please read this manual thoroughly before using the product and retain it for future reference.

The VILTROX 75mm f/1.2 EF PRO EF Lens is a high-performance prime lens designed for Sony E-Mount APS-C mirrorless cameras. It features a super large f/1.2 aperture, fast and precise autofocus with an STM stepping motor, and an optical design for exceptional image quality. The lens also includes video shooting optimization, a weather-sealed design, and a double adjustment aperture for versatile control.



A front view of the VILTROX 75mm f/1.2 EF PRO EF Lens, showcasing its design and E-mount compatibility.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x AF 75mm F/1.2 EF Lens
- 1x Lens hood
- 1x Rear cap
- 1x Lens cap
- 1x Carry case
- 1x User manual



An overhead view of the VILTROX 75mm f/1.2 EF PRO EF Lens and its accessories, including the lens, lens hood, caps, carry case, and user manual.

3. SETUP AND INSTALLATION

3.1 Attaching the Lens

1. Ensure your camera is powered off.
2. Remove the rear lens cap from the VILTROX 75mm f/1.2 lens and the body cap from your camera.
3. Align the mounting index (usually a white dot or line) on the lens with the corresponding index on your camera body.
4. Insert the lens into the camera mount and rotate it clockwise until it clicks securely into place. Do not force the lens.
5. Attach the lens hood by aligning its mark with the mark on the front of the lens and twisting until it locks.

VILTROX 75mm F/1.2 Pro E



Eye & Face Auto Focus



F1.2 Large Aperture



Newly STM Stepping Motor



EXIF Info



USB-C Upgrade



Exceptionally Sharp Image Quality



Video Shooting Optimization



Weather-sealed Design



AF/MF Switch



The VILTROX 75mm f/1.2 EF PRO EF Lens attached to a mirrorless camera body, ready for use.

3.2 Firmware Updates

The lens supports USB-C firmware upgrades. Periodically check the VILTROX official website for the latest firmware to ensure optimal performance and compatibility.



A close-up view of the USB-C port located on the lens mount, used for firmware updates.

4. OPERATING INSTRUCTIONS

4.1 Autofocus (AF) and Manual Focus (MF)

The lens features an AF/MF switch to quickly change between autofocus and manual focus modes. In AF mode, the STM stepping motor provides fast and precise focusing. The lens supports advanced autofocus features such as eye and face autofocus, and animal autofocus, depending on your camera's capabilities.



F/1.2 Large Aperture

The super large aperture of F1.2 opens up more possibilities in the dark night, with a higher shutter speed and a lower ISO.



A close-up of the AF/MF switch on the side of the lens barrel, allowing users to select between autofocus and manual focus.

4.2 Aperture Control

The VILTROX 75mm f/1.2 lens offers a super large f/1.2 maximum aperture, ideal for low-light conditions and creating shallow depth of field. Aperture adjustment can be controlled in two ways:

- **Automatic Control:** Adjust the aperture directly through your camera body settings.
- **Manual Control:** Use the aperture ring on the lens barrel for direct adjustment. This is particularly useful for video shooting.

Newly STM Stepping Motor

Provides fast accurate and virtually silent autofocus performance



Fast and Accurate Auto Focus

Supports **Eye** and **Face** Recognition



A detailed view of the aperture ring on the lens, showing the f-stop markings from f/1.2 to f/16.

4.3 Video Shooting Optimization

This lens is optimized for video recording. The large aperture provides excellent light gathering, and the autofocus system is designed to minimize focus breathing, ensuring smooth and consistent video footage.

Your browser does not support the video tag.

An official video demonstrating the VILTROX 75mm f/1.2 lens in various shooting scenarios, highlighting its performance in different environments.

5. MAINTENANCE AND CARE

- Keep the lens caps on when not in use to protect the front and rear elements.
- Clean the lens surfaces with a soft, lint-free cloth and a specialized lens cleaning solution. Avoid harsh

chemicals.

- Store the lens in a dry, cool place, away from direct sunlight and extreme temperatures.
- The lens features a weather-sealed design, offering protection against dust and water droplets. However, it is not fully waterproof and should not be submerged.



A close-up image showing the weather-sealed construction of the VILTROX 75mm f/1.2 lens, indicating its resistance to dust and moisture.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

Issue	Possible Cause	Solution
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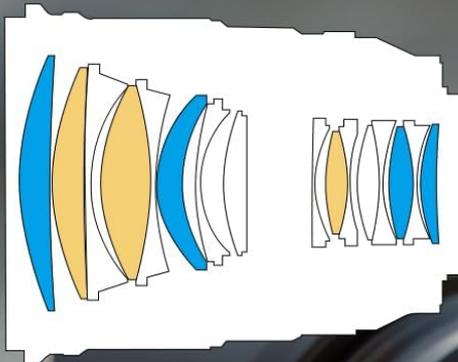
Issue	Possible Cause	Solution
Autofocus not working	Lens not securely mounted; AF/MF switch in MF position; Camera firmware outdated.	Re-mount lens; Switch to AF mode; Update camera and lens firmware.
Image is blurry	Incorrect focus; Dirty lens elements; Camera shake.	Ensure proper focus; Clean lens; Use a tripod or increase shutter speed.
Lens not recognized by camera	Improper mounting; Dirty electrical contacts; Camera firmware outdated.	Re-mount lens; Clean lens and camera contacts; Update camera firmware.

7. SPECIFICATIONS

Feature	Detail
Brand	VILTROX
Model Number	XY-JYC-03365
Focal Length	75 mm
Maximum Aperture	f/1.2
Lens Type	Prime, Wide Angle
Compatible Mountings	Sony E
Optical Design	16 elements in 11 groups, including 4 high-refractive index lenses
Autofocus Motor	STM Stepping Motor
Product Dimensions	3.97 x 3.42 x 3.42 inches
Item Weight	2.79 pounds
Special Features	Weather-sealed design, USB-C upgrade port, Eye & Face Auto Focus, Video Shooting Optimization

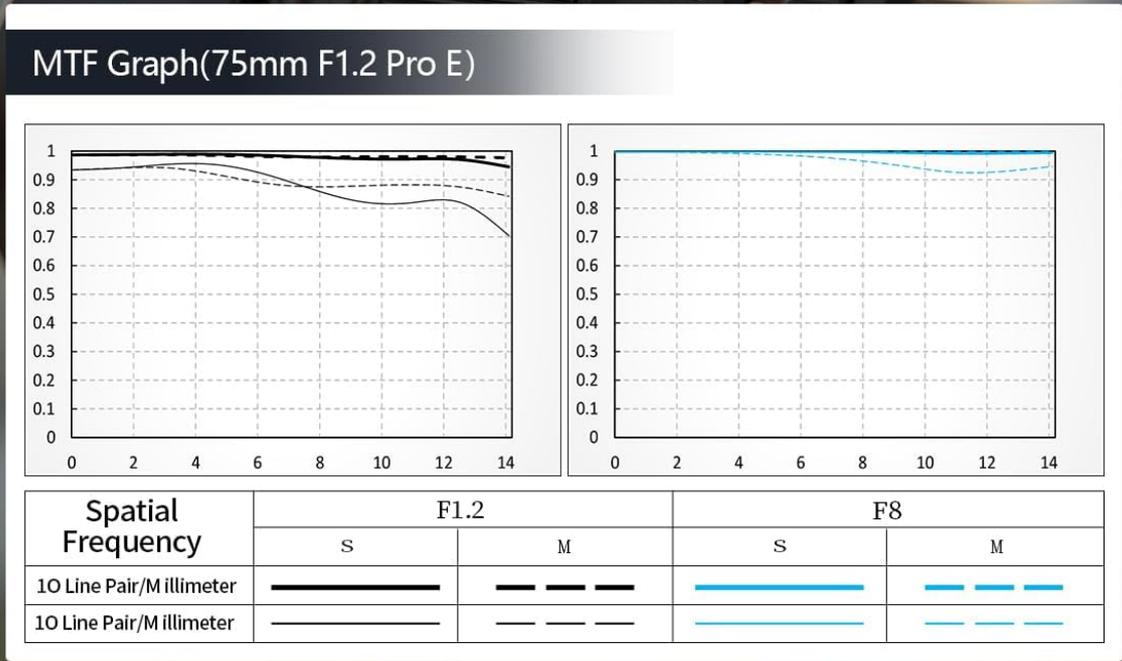
Exceptional Image Quality

Optical 11 Groups of 16 Elements Structure



Lens construction diagram

- Aspherical lens
- ED low-dispersion lenses



A diagram illustrating the internal optical elements of the lens, including aspherical and ED low-dispersion lenses, alongside MTF (Modulation Transfer Function) charts showing the lens's sharpness performance at f/1.2 and f/8.

8. WARRANTY AND SUPPORT

VILTROX products are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms, registration, and technical support, please refer to the warranty card included in your package or visit the official VILTROX website.

For further assistance, you may contact VILTROX customer service through their official channels.