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AstrHori 12mm F2.8

AstrHori 12mm F2.8 Full-Frame Fisheye Lens Instruction Manual

For Sony E-Mount Mirrorless Cameras

1. INTRODUCTION AND OVERVIEW

The AstrHori 12mm F2.8 Full-Frame Fisheye Lens is designed for Sony E-Mount mirrorless cameras, offering a unique 185-degree ultra-wide angle of view. This manual focus lens is suitable for capturing expansive landscapes, creative perspectives, and immersive scenes. Its robust all-metal construction and multi-layer coated optical elements ensure durability and image quality.

AstrHori 12mm F2.8 Fisheye Lens



Image: The AstrHori 12mm F2.8 Fisheye Lens, showcasing its full-frame compatibility, 185-degree angle of view, full-metal construction, multi-layer coating, and 0.2m minimum focusing distance.

2. SETUP AND INSTALLATION

2.1 Attaching the Lens

1. Ensure your camera is powered off.
2. Remove the rear lens cap from the AstrHori 12mm F2.8 lens and the body cap from your camera.
3. Align the red dot on the lens barrel with the corresponding red dot on your camera's lens mount.
4. Insert the lens into the camera mount and rotate it clockwise until it clicks into place. Do not force the lens.

2.2 Detaching the Lens

1. Ensure your camera is powered off.
2. Press and hold the lens release button on your camera body.

3. Rotate the lens counter-clockwise until it detaches from the camera body.
4. Immediately attach the rear lens cap to the lens and the body cap to the camera to protect the sensors and optical elements from dust.

3. OPERATING INSTRUCTIONS

3.1 Manual Focus

This is a manual focus lens. To focus, rotate the focus ring on the lens barrel until your subject appears sharp in the viewfinder or on the camera's LCD screen. Utilize your camera's focus peaking or magnification assist features for precise focusing.



Image: Close-up of the lens barrel, highlighting the manual focus ring with engraved distance scales in meters and feet.

3.2 Aperture Adjustment

The lens features a manual aperture ring with full stops from F/2.8 to F/16. Rotate the aperture ring to select your desired f-stop. A brighter aperture (smaller f-number like F/2.8) allows more light and creates a shallower depth of field, while a smaller aperture (larger f-number like F/16) allows less light and creates a greater depth of field.



Image: The AstrHori 12mm F2.8 lens, emphasizing its bright F2.8 maximum aperture, suitable for various lighting conditions.

3.3 Understanding the 185° Ultra-wide Angle

The 185-degree angle of view produces a distinct fisheye effect, characterized by strong barrel distortion. This can be used creatively for unique perspectives in landscapes, architecture, and indoor photography. Experiment with different compositions to achieve desired effects.

Ultra-wide Angle of View



Featuring a 185° Ultra-wide Angle of View, this Lens is specially designed for full-frame mirrorless cameras, producing unique perspectives and creative distortions. Its large viewing angle is well-suited for travel, landscapes, panoramas, nighttime scenes, and more.

Image: The AstrHori 12mm F2.8 lens with visual examples of its 185-degree ultra-wide angle of view, showing how it captures broad scenes and creates unique distortions.

3.4 Minimum Focusing Distance

The lens has a minimum focusing distance of 0.2 meters (20cm). This allows for close-up shots with a wide background, creating interesting perspectives and emphasizing subjects while still capturing the environment.

0.2m Minimum Focusing Distance



Close Focusing Distance

20cm

Weights

757.5g

With its super close minimum focus distance, it could help both photo and video enthusiasts create interesting results.

Image: The AstrHori 12mm F2.8 lens, illustrating its 0.2m minimum focusing distance, enabling close-up photography with a wide field of view.

4. MAINTENANCE

4.1 Cleaning the Lens

- Use a soft, clean microfiber cloth specifically designed for optical surfaces to gently wipe the lens elements.
- For stubborn smudges, apply a small amount of lens cleaning solution to the cloth (not directly to the lens) and wipe in a circular motion from the center outwards.
- Use a blower brush to remove dust particles before wiping to prevent scratching.
- Avoid touching the lens elements with bare fingers.

4.2 Storage

- Always attach the front and rear lens caps when the lens is not in use.
- Store the lens in a dry, cool place, away from direct sunlight and extreme temperatures.

- If storing for extended periods, consider using a dehumidifying agent to prevent mold growth.

4.3 Handling Precautions

- 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 humidity.



Image: The AstrHori 12mm F2.8 lens, highlighting its multi-layer coating designed to suppress flare and ghosting, which also aids in easier cleaning.

5. TROUBLESHOOTING

5.1 Image is Blurry / Cannot Focus

- Ensure the lens is securely mounted to the camera body.
- Verify that your camera is set to manual focus (MF) mode.

- Carefully rotate the focus ring until the subject is sharp. Use focus peaking or magnification assist on your camera.
- Check if the lens elements are clean. Dust or smudges can affect image clarity.

5.2 Dark Images / Incorrect Exposure

- Ensure your camera's exposure settings (ISO, shutter speed, aperture) are appropriate for the lighting conditions.
- Adjust the manual aperture ring on the lens to a wider opening (smaller f-number) if the scene is too dark.
- Check your camera's metering mode.

5.3 Lens Not Recognized by Camera

- This is a fully manual lens and does not transmit electronic information to the camera. Your camera may display a message like "Lens not attached" or similar. This is normal.
- Ensure your camera's settings allow shooting without a lens (often found in the camera's menu under 'Release shutter without lens' or similar).

6. SPECIFICATIONS

Brand	AstrHori
Model Name	12mm F2.8
Lens Type	Fisheye
Compatible Mountings	Sony E
Focal Length	12 mm (Fixed)
Maximum Aperture	F2.8
Minimum Aperture	F16
Angle of View	185 Degrees
Optical Design	11 elements in 8 groups
Diaphragm Blades	5
Focus Type	Manual Focus
Minimum Focusing Distance	0.2 m (20 cm)
Image Stabilization	Optical (Camera dependent)

Optical Design

Its optical system consists of 11 elements in 8 groups.
A 5-blade diaphragm contributes to a smooth and pleasing bokeh quality.



Image: Illustration of the lens's optical design, consisting of 11 elements in 8 groups, contributing to its image quality.

7. WHAT'S INCLUDED

Upon unboxing, please verify that all the following items are present:

- 1x AstrHori 12mm F2.8 Fisheye Lens
- 1x Front Lens Cap
- 1x Rear Lens Cap

What is Included



- 1* AstrHori 12mm F2.8 Fisheye Lens
- 1* Front Lens Cap
- 1* Rear Lens Cap

Image: The AstrHori 12mm F2.8 Fisheye Lens, its packaging, front lens cap, and rear lens cap, illustrating the complete contents of the product box.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

AstrHori products typically come with a limited manufacturer's warranty. For specific details regarding the warranty period and terms for your AstrHori 12mm F2.8 Fisheye Lens, please refer to the warranty card included in your product packaging or visit the official AstrHori website.

8.2 Customer Support

If you encounter any issues or have questions regarding the use, maintenance, or performance of your AstrHori 12mm F2.8 Fisheye Lens, please contact AstrHori customer support. Contact information can typically be found on the official AstrHori website or within your product documentation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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