

AstrHori 9mm f/2.8 Ultra Wide Angle APS-C Manual Lens

AstrHori 9mm f/2.8 Ultra Wide Angle APS-C Manual Lens User Manual

Model: 9mm f/2.8 Ultra Wide Angle APS-C Manual Lens | Brand: AstrHori

1. INTRODUCTION

This manual provides detailed instructions for the proper use and care of your AstrHori 9mm f/2.8 Ultra Wide Angle APS-C Manual Lens. Please read this manual thoroughly before using the lens to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW AND FEATURES

The AstrHori 9mm f/2.8 is a manual focus, ultra-wide-angle lens designed for APS-C mirrorless cameras with a Fuji X-Mount. It offers a broad 111.4° angle of view, making it suitable for various photographic applications.

Key Features:

- **111.4° Ultra Wide Angle:** Captures expansive scenes, ideal for landscapes and architectural photography.
- **Large f/2.8 Aperture:** Provides excellent light gathering capabilities for low-light conditions, such as starry night scenes, while effectively controlling noise.
- **14-Point Starburst Effect:** Features 7 aperture blades to create distinct 14-point starbursts from bright light sources.
- **Creative Portrait Photography:** A minimum focusing distance of 20cm combined with the wide angle allows for expressive and impactful portraits.
- **Durable Retro Design:** Constructed with an all-metal body, offering a classic aesthetic and robust build quality.
- **Compact and Portable:** Lightweight design for easy carrying and compatibility with various camera models.



Figure 2.1: Overview of the AstrHori 9mm f/2.8 lens highlighting its versatility for various photography styles including landscape, portraits, city night views, and architecture.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

1. Lens packaging box
2. AstrHori MF 9mm F2.8 lens
3. Lens back cover
4. Lens front cover
5. User Manual



Figure 3.1: Contents of the AstrHori 9mm f/2.8 lens package.

4. SETUP

4.1 Attaching the Lens to Your Camera

1. Ensure your camera is turned off.
2. Remove the rear lens cap from the AstrHori 9mm f/2.8 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. Gently insert the lens into the camera's lens mount.
5. Rotate the lens clockwise (for Fuji X-Mount) until it clicks into place, indicating it is securely locked.
6. Replace the front lens cap when not in use to protect the optical elements.

This lens is compatible with Fuji X series APS-C mirrorless camera models.

Excellent for city nightscapes and starry sky photography

The F2.8 prime large aperture provides greater light intake and higher shutter speed. In low-light environments such as city nightscapes and starry night scenes, it can still effectively control noise and ensure the delicate and pure picture.



Figure 4.1: AstrHori 9mm f/2.8 lens attached to a camera.

5. OPERATING INSTRUCTIONS

The AstrHori 9mm f/2.8 is a fully manual lens, requiring manual control over focus and aperture settings.

5.1 Manual Focus

- To focus, rotate the focus ring on the lens until your subject appears sharp in the viewfinder or on the camera's LCD screen.
- Many mirrorless cameras offer focus peaking or magnification assist features to aid in precise manual focusing. Refer to your camera's manual for details on enabling these features.
- The lens has a minimum focusing distance of 20cm, allowing for close-up wide-angle shots.



Figure 5.1: Example of creative portrait photography using the close focusing distance.

5.2 Aperture Control

- The aperture ring on the lens allows you to manually set the f-stop. Rotate the ring to select your desired aperture (from f/2.8 to f/16).
- A wider aperture (smaller f-number like f/2.8) allows more light into the camera, useful for low-light conditions and creating shallow depth of field.
- A narrower aperture (larger f-number like f/16) allows less light, increasing depth of field and is often used for landscapes.
- When shooting with a manual lens, set your camera to Manual (M) or Aperture Priority (A) mode. In Aperture Priority, the camera will automatically set the shutter speed based on your chosen aperture and ISO.



Figure 5.2: Example of the 14-point starburst effect from light sources.

5.3 Exposure Settings

Since this is a manual lens, you will need to manage exposure settings (ISO, shutter speed, aperture) manually or semi-manually through your camera's modes. Experiment with settings to achieve desired results, especially in challenging lighting conditions like night photography.

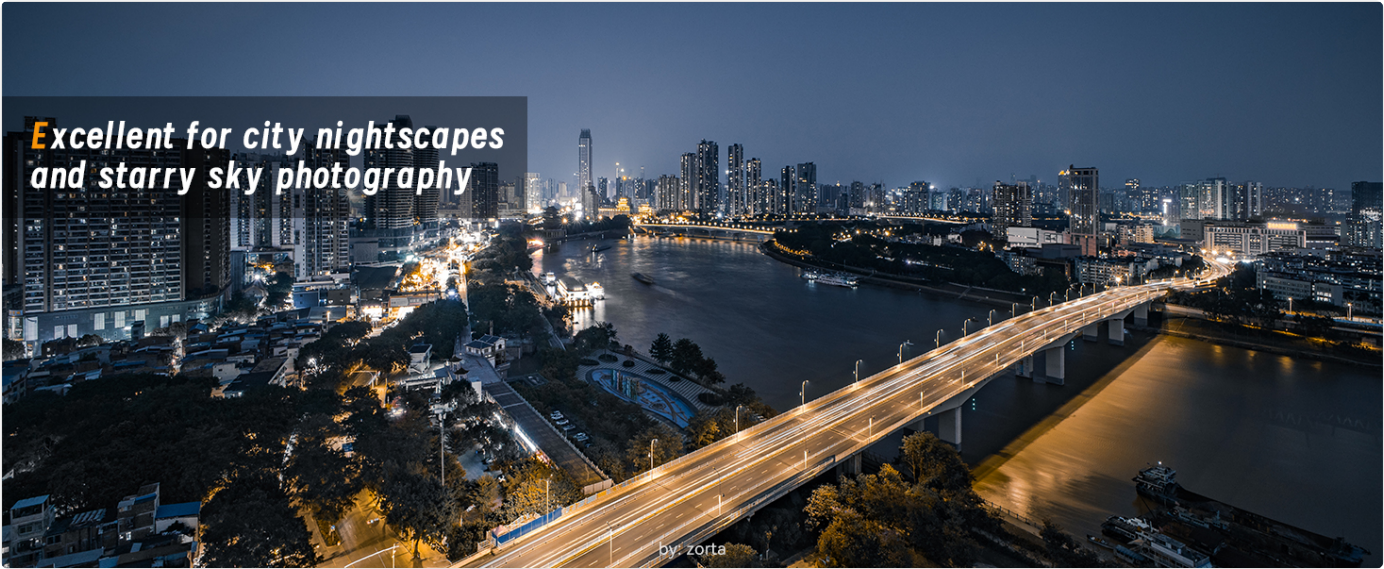


Figure 5.3: Night cityscape photography example.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your lens.

- **Cleaning the Lens:** Use a soft, lint-free microfiber cloth specifically designed for optics. For stubborn smudges, use a small amount of lens cleaning solution applied to the cloth, not directly to the lens.
- **Dust Removal:** Use a blower brush to remove dust particles from the lens surface before wiping. Avoid using compressed air, which can damage coatings.
- **Storage:** Store the lens with both front and rear caps attached in a dry, cool place, away from direct sunlight and extreme temperatures. If storing for extended periods, consider a dehumidified environment to prevent mold growth.
- **Handling:** Avoid touching the glass elements with your fingers. Always hold the lens by its barrel.
- **Water Resistance:** This lens is not water-resistant. Avoid exposure to rain, splashes, or high humidity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Images are blurry.	Incorrect focus.	Ensure the lens is manually focused correctly. Use your camera's focus peaking or magnification assist.
Images are too dark/underexposed.	Aperture too small, shutter speed too fast, or ISO too low.	Open the aperture (smaller f-number), decrease shutter speed, or increase ISO. Ensure camera is in Manual (M) or Aperture Priority (A) mode.

Problem	Possible Cause	Solution
Images are too bright/overexposed.	Aperture too large, shutter speed too slow, or ISO too high.	Close the aperture (larger f-number), increase shutter speed, or decrease ISO.
Lens not attaching securely.	Incorrect alignment or debris on mount.	Re-align the lens with the camera's mounting index. Check for any obstructions on the lens or camera mount.

8. SPECIFICATIONS

Feature	Detail
Model Name	AstrHori 9mm f/2.8 Ultra Wide Angle APS-C Manual Lens
Focal Length	9mm (Fixed)
Maximum Aperture	f/2.8
Minimum Aperture	f/16
Angle of View	111.4 Degrees
Lens Type	Ultra Wide Angle, Fixed
Focus Type	Manual Focus
Compatible Mounts	Fujifilm X-Mount
Compatible Camera Models	Fuji X series (all APS-C models)
Minimum Focusing Distance	20 cm
Dimensions (L x W x H)	6.12 x 6.24 x 6.24 cm
Weight	580 g
Image Stabilization	No Image Stabilization
Water Resistance Level	Not Water Resistant

APS-C mode required: A7, A7II (A7M2), A7III (A7M3), A7IV (A7M4), A7R, A7RII (A7RM2), A7RIII (A7RM3), A7RIV (A7RM4), A7RV (A7RM5), A7S, A7SII (A7SM2), A7SIII (A7SM3), A7C, A9, A9II, A1, ZV-E1, A7C2, A7CR

X-A1, X-A10, X-A2, X-A3, X-A5, X-A7, X-M1, X-H1, X-H2,
X-H2S, X-T1, X-T10, X-T2, X-T20, X-T30, X-T3, X-T4, X-T5,
X-T100, X-T200, X-T30, X-T30 II, X-PR01, X-PR02, X-PR03,
X-E1, X-E2, X-E2S, X-E3, X-E4, XS10, XS20

APS-C mode required: Z5、Z6、Z7、Z6II、Z7II、Z9、Z8、ZF

APS-C mode required: EOS R, RP, R5, R5C, R6, R6ii, R3, R8

Olympus: EPM1, EPM2, EPL1, EPL2, EPL3, EPL5, EPL6, EPL7, EPL8, EPL9, E-P1, E-P2, E-P3, E-P5, E-P6, E-M1, E-M5, E-M10, E-M10II, E-M10III, PEN-F

Panasonic: G1, G2, G3, G5, G6, G7, G85, GF1, GF2, GF3, GF5, GF6, GF7, GF8, GF9, GX1, GX7, GX8, GX9, GM1, GM5, GM10, GH1, GH2, GH3, GH4, GH5, G9M2

9.1 Warranty Information

9.2 Customer Support

Official AstrHori Website: www.astrori.com (Note: This is a placeholder URL, please verify the actual official website for AstrHori).

ASK A QUESTION ABOUT THIS MANUAL

Name

Email

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