

Askar 71F Flat Field Refractor Telescope and Spotting Scope



Askar 71F Flat Field Refractor Telescope and Spotting Scope User Manual

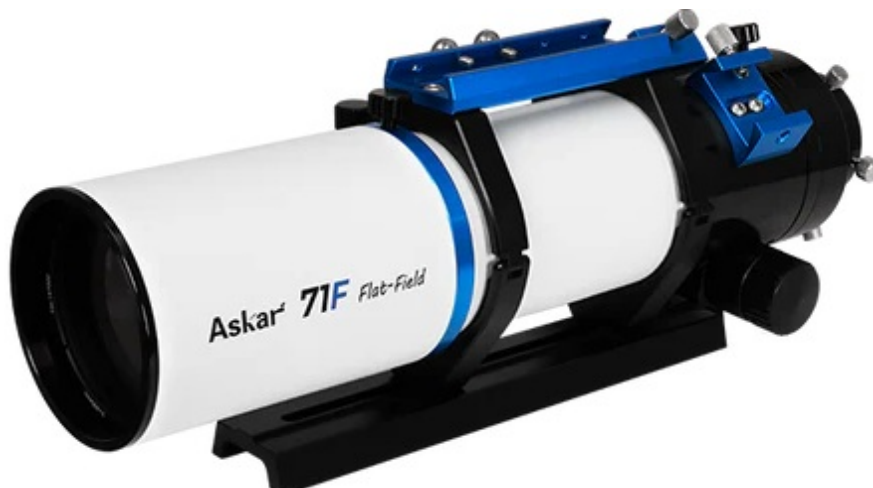
[Home](#) » [Askar](#) » Askar 71F Flat Field Refractor Telescope and Spotting Scope User Manual 

Contents

- [1 Askar 71F Flat Field Refractor Telescope and Spotting Scope](#)
- [2 Product Usage Instructions](#)
- [3 FAQs](#)
- [4 Instructions for use](#)
- [5 Specifications](#)
- [6 Position Diagram](#)
- [7 Product Parts](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)

Askar

Askar 71F Flat Field Refractor Telescope and Spotting Scope



Product Usage Instructions

• Assembly and Setup

- Attach the tube rings to the OTA using the provided screws.
- Mount the handle and dew shield onto the OTA.
- Secure the Vixen 230mm dovetail plate to the OTA for tripod attachment.

• Imaging Mode

- Connect your astronomy camera to the photographic adapter.
- Use an 8mm eyepiece for imaging purposes.

• Observing Mode

- Use a 20mm eyepiece for visual observation.

• Cleaning and Maintenance

- Clean the lenses with a soft microfiber cloth to remove dust and smudges.
- Store the OTA in a cool, dry place when not in use to prevent damage.

FAQs

• Q: Can the Askar 71F be used for astrophotography?

- **A:** Yes, the Askar 71F is versatile and can be used for both visual observation and astrophotography.

• Q: What is included in the 71F packaging?

- **A:** The packaging includes a 71F OTA, a pair of tube rings, a handle, a Vixen 230mm dovetail plate, and a set of photographic adapters.

• Q: How do I adjust the dew shield of the Askar 71F?

- **A:** The dew shield of the Askar 71F has a retractable design for easy adjustment. Simply slide it back or forth to the desired position.

Instructions for use

- The Askar 71F is an OTA with an aperture of 71mm, a focal length of 490mm, and a native focal ratio of F6.9. The Askar 71F is versatile and can be used for both visual observation and astrophotography.
- The Askar 71F adopts a quadruplet air-spaced APO lens design, including one piece of ED glass. The Askar 71F supports 44mm full-frame imaging.
- The Askar 71F is a self-flattened design that allows to avoid calculating the back focus, after attaching the imaging accessories, users can directly use it for shooting after the OTA is in focus. (The maximum accessory connection from the base of M48×0.75 male thread is 82.5mm).
- The Askar 71F OTA weighs only 2.5kg and the gross weight is 3kg (including the tube rings and dovetail plate).
- The Askar 71F comes with three accessories: a 60x 8mm eyepiece, a 25x 20mm eyepiece, and a 1.25" 45° erecting prism.
- The Askar 71F also comes standard with a photographic extension tube, which includes M48*0.75&M54*0.75 adapters, it also contains a built-in 2-inch filter thread for easy shooting connections.
- The dew shield of the Askar 71F is a retractable design, further shortening the overall length and increasing portability. The entire lens tube of Askar 71F is crafted using high-quality CNC machining. All the inner of the Askar 71F's dew shield is covered with matting paint to effectively reduce stray light reflections.
- On the handle bar of Askar 71F, it designs a finder base slot. Besides, there are two finder bases on both sides

of the focuser, which not only eliminates the need for disassembling when changing the position of the finder scope but also provides additional mounting positions for other astronomical accessories.

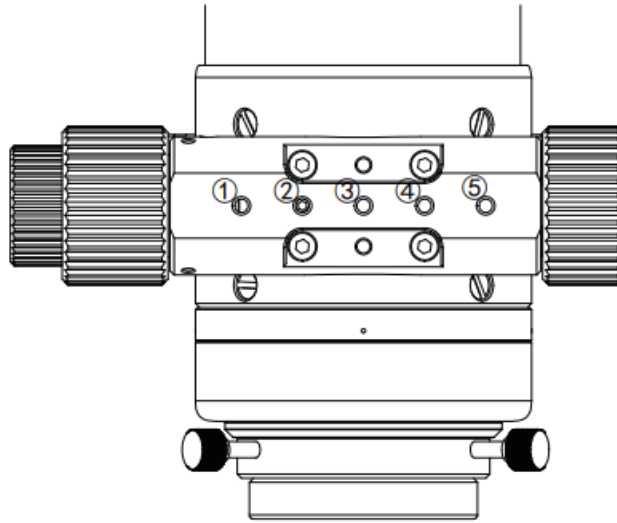
- In terms of the focuser, the Askar 71F is equipped with a dual-speed R&P 2.4-inch rigid focuser, which has a 1:10 fine adjustment and a 360° scale field rotator at the rear end for precise angle adjustment.
- The Askar 71F's dovetail plate is a 230mm standard Vixen dovetail plate, which slotted 1/4 screw holes as well as 3/8 screw holes for direct tripod attachment.

Specifications

- **Aperture size:** 71mm
- **Focal length:** 490mm
- **Focal ratio:** f/6.9
- **Objective lens:** Quadruplet air-spaced APO(including one ED glass)
- **Image circle:** 44mm
- **Maximum accessory connection (with the focuser fully retreated)**
- **Imaging mode:**
 - 82.5mm (from the base of M48×0.75 male thread
 - 100.5mm from the base of M54×0.75 male thread)
- **Observing mode:**
 - 117mm from the end of 1.25" eyepiece holder
 - 127mm from the end of 2" eyepiece holder
- **Total length:**
 - 722mm(when the dew shield is contracted)
 - 804mm(when the dew shield is stretched)
- **Total length:**
 - 372.5mm(including 1.25" adapter as dew shield contracted
 - 430.9mm(including 1.25" adapter as dew shield fully stretched
 - 415mm(including the photographic adapter as dew shield contracted
 - 473.4mm(including the photographic adapter as dew shield fully stretched
- **Net weight:** 2.5kg
- **Gross weight(Including tube ring&dovetail plate :** 3.0kg
- **Rear-end thread type:**
 - M64×0.75-M54×0.75
 - M54×0.75-M54×0.75
 - M54×0.75-M48×0.75 (with M48×0.75 filter thread)

Position Diagram

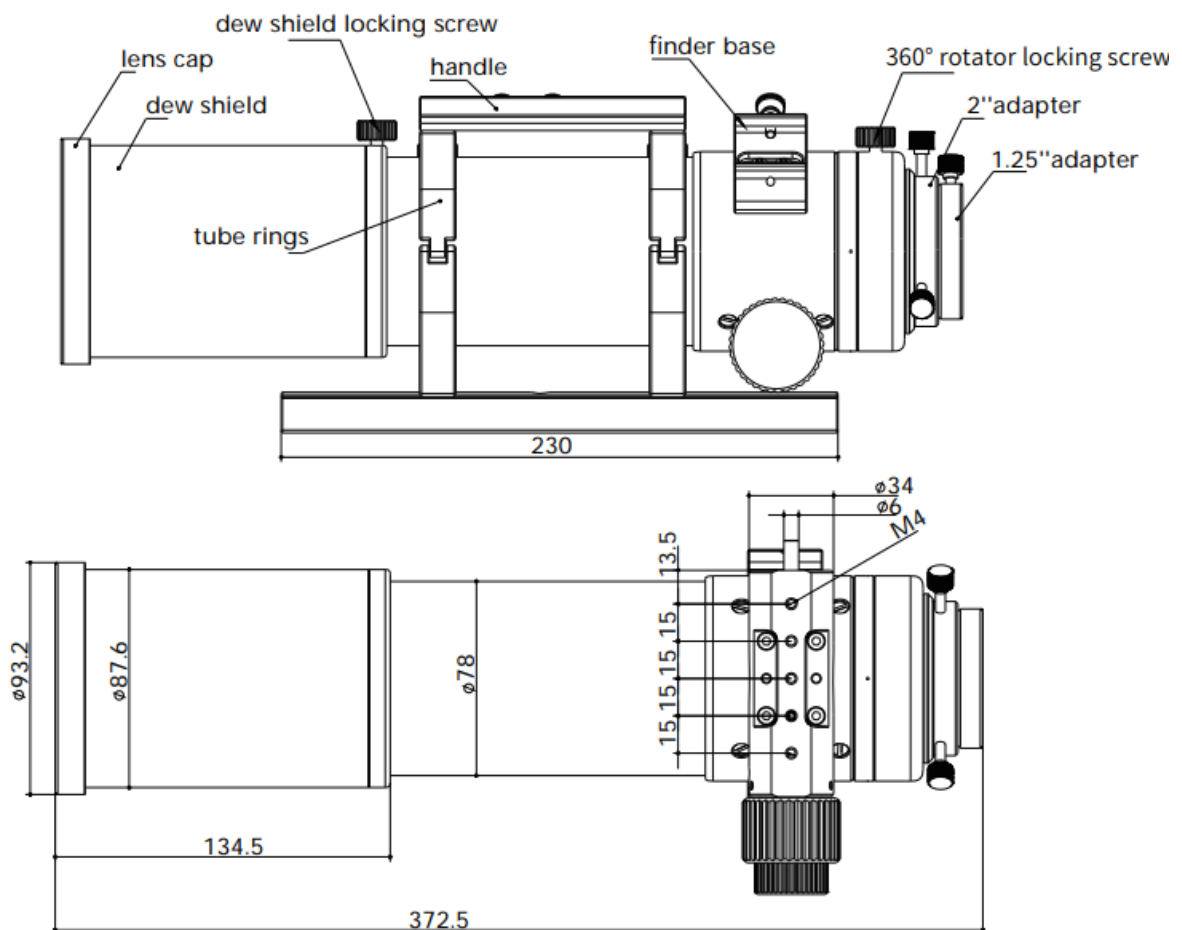
The Locking Screw Position Diagram

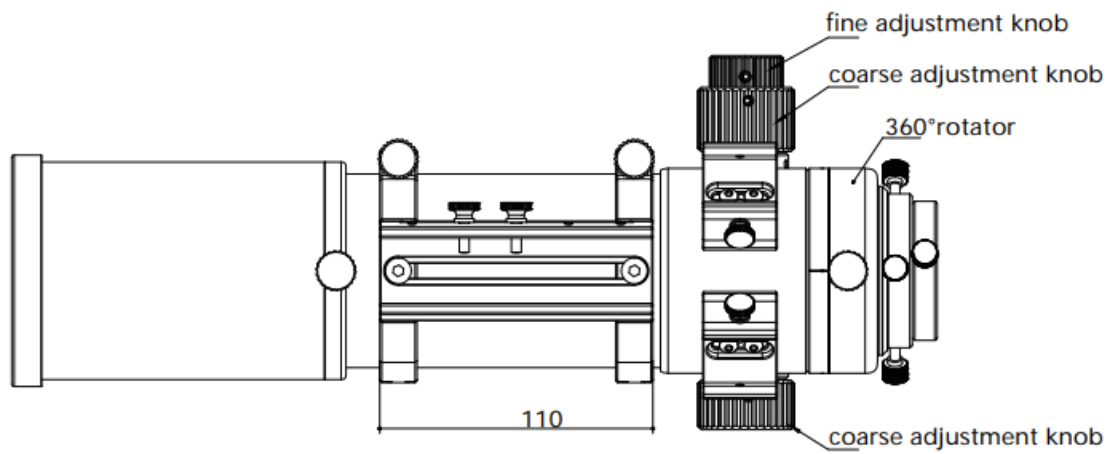


- ②Bottom Load Adjustment Screw
- ③Bottom Locking Screw
- ①③④⑤can be used for electric focusing bracket installation

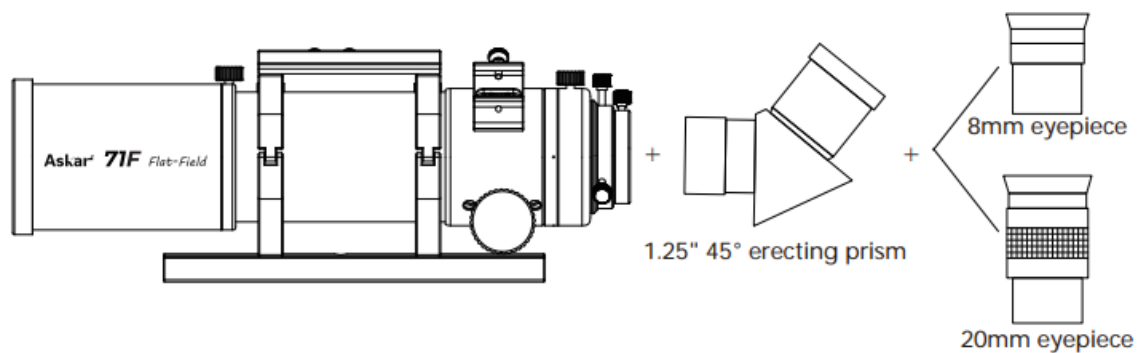
Product Parts

Product Parts and the Size Diagram

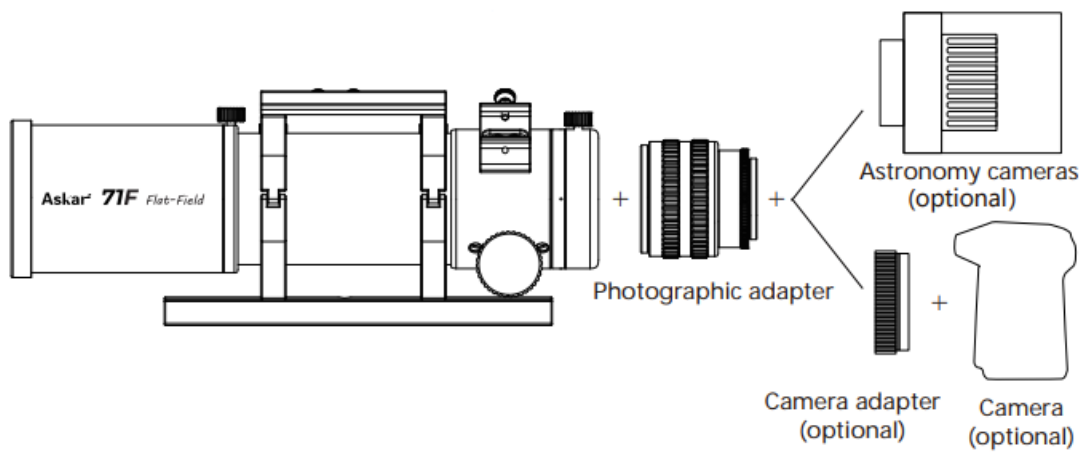




Imaging mode

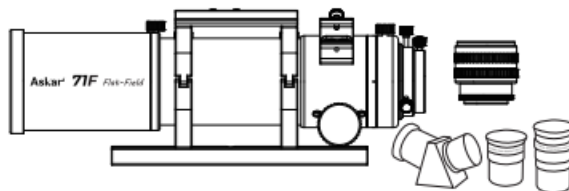


Observing mode

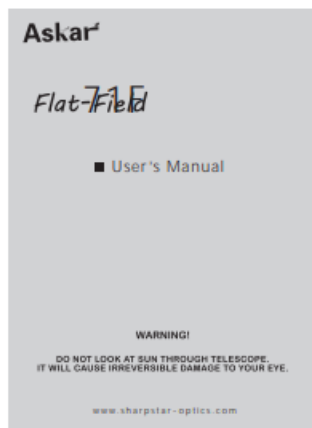


Items in 71F Packaging

- A 71F OTA a pair of tube rings, a handle, a Vixen 230mm dovetail plate, a set of photographic adapters a 1.25" 45° erecting prism, an 8mm eyepiece, a 20mm eyepiece
-



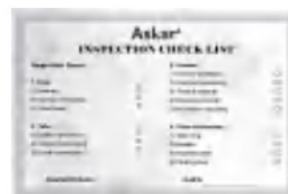
Instruction manual



Warranty card



Qualified certificate



Check list



🌐 Official site



📘 Facebook



▶ YouTube



📷 Ins



✂ Twitter

WARNING! DO NOT LOOK AT THE SUN THROUGH A TELESCOPE. IT WILL CAUSE IRREVERSIBLE DAMAGE TO YOUR EYE. www.sharpstar-optics.com.

Documents / Resources

	Askar 71F Flat Field Refractor Telescope and Spotting Scope [pdf] User Manual 71F Flat Field Refractor Telescope and Spotting Scope, 71F, Flat Field Refractor Telescope and Spotting Scope, Field Refractor Telescope and Spotting Scope, Refractor Telescope and Spotting Scope, Telescope and Spotting Scope, Spotting Scope, Scope
--	---

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.