

Askar

50P

User's Manual

WARNING

**DO NOT LOOK AT SUN THROUGH TELESCOPE.
IT WILL CAUSE IRREVERSIBLE DAMAGE TO YOUR EYES.**

www.sharpstar-optics.com

Instructions for use

The Askar 50P is a 50mm aperture telescope with a focal length of 190mm and a native focal ratio of F3.8. Balancing portability and functionality, it is well-suited for both astrophotography and use as a guide scope.

It features a quadruplet Petzval APO lens design, which includes one piece of SD glass. The rear two elements are cemented, supporting APS-C format and optimized for 1-inch sensors.

The 50P incorporates a built-in field flattener, eliminating the need to calculate backfocus. Once imaging accessories are attached, users can begin shooting as soon as the OTA is focused. (The maximum allowed distance from the M48×0.75 male thread base is 65mm.)

The reversible bayonet lens hood extends during use to block stray light and folds back for compact storage. Along with the dust cap, it offers both convenience and protection.

The integrated tube ring also serves as a carrying handle. Its top slot complies with the Arca-Swiss standard, allowing direct mounting on a tripod via a quick-release plate. Dual finder bases are integrated on both sides of the tube ring, and multiple standard M4 threaded holes are provided, offering ample options for accessory expansion.

The front of the lens has a standard $\varnothing 52$ filter thread for direct use of camera filters, while the rear includes a universal M48 adapter with a built-in 2-inch filter thread. The integrated single-speed focuser ring features standard MXL teeth for smooth operation and compatibility with electronic focusers, meeting advanced photographic needs.

A rotating scale with a locking screw is located at the rear. The dovetail plate is 160mm long. When removed, the base underneath acts as a finderscope platform, making the telescope suitable for mounting on a main scope as a guide scope.

50P Specifications

Aperture: 50mm

Focal length: 190mm

Focal ratio: F3.8

Objective lens: Quadruplet petzval APO
(including one piece of SD glass)

Format specifications: APS-C format

Total length: 147mm (when the dew shield is contracted)
182mm (when the dew shield is stretched)

Gross weight (including tube ring and dovetail plate) : 1.4kg

Rear-end thread type: M48 adapter (with $M48 \times 0.75$ filter thread)

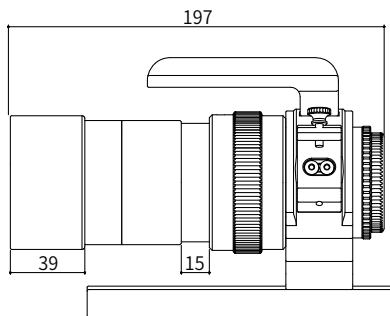
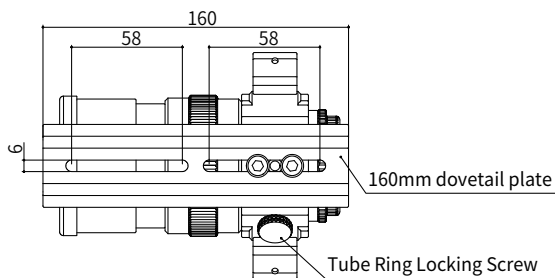
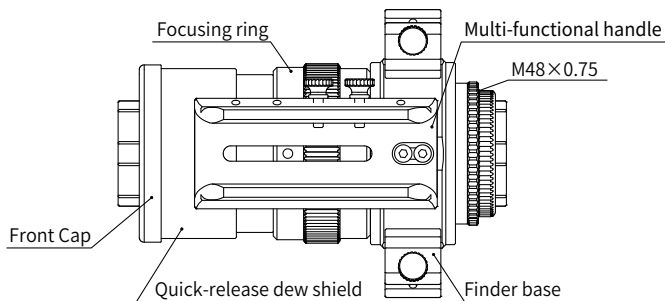
Rear-end connection distance:

Support 50-65mm range (Recommended connection length is 55mm)

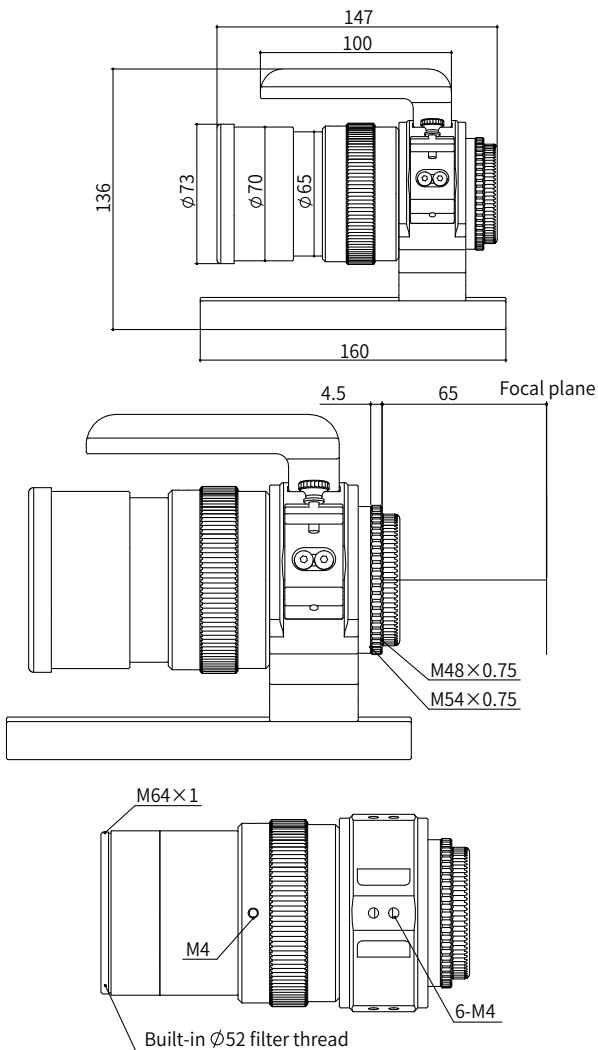
Accessories: a 50P OTA (Includes an M48 adapter), an inspection list,
a manual

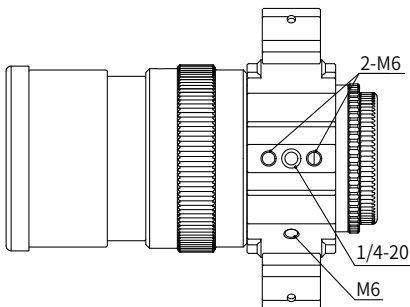
Product Size Diagram

(Unit:mm)

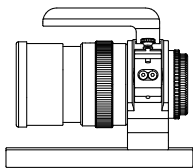


Focuser travel length: 15mm
Lens hood length: 39mm





Items in 50P Packaging



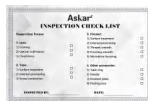
50P OTA



Instruction manual



Warranty card



Check list



Qualified certificate



 Official site



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