

WIFD ZENITHSTAR 81

MANUAL



WIFD ZENITHSTAR 81 CONTENTS

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Warning

Never aim your telescope or finder scope at the Sun without proper Solar filters installed on the front of the telescope. Doing so for even a moment may permanently damage your vision. Proper Solar filters consist of filters made by reputable manufacturers, designed to fit tightly over the front of the dew shield. Solar eyepiece filters are not considered safe, and should not be used. With proper front mounted Solar filters, the telescope will not be harmed by viewing the Sun.

WIFD ZENITHSTAR 81 SPECIFICATION



· Focal Length: 559mm

· Diameter: 81mm

• **Aperture** : f/6.9

• Focuser: WIFD (wo internal focus design)

(Compatible with EAF)

Image Circle : >Full Frame

Retracted Length : 526mm

Extended Length : 607mm

· Dew Shield Circumference : 382mm

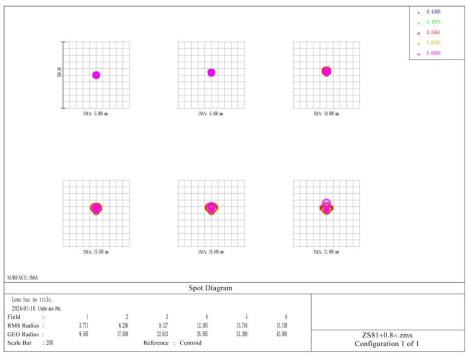
· **Dew Shield Diameter** : φ121mm

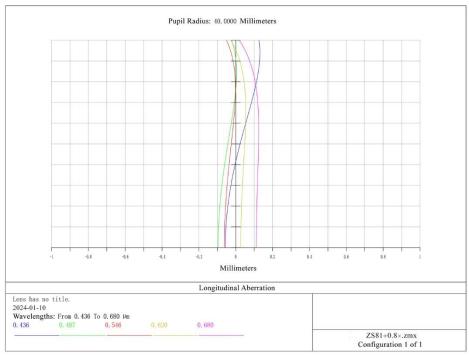
Weight: 7.82lbs / 3.545kg (OTA only)

10.05lbs / 4.560kg (OTA with

ring, dovetail and saddle)

WIFD ZENITHSTAR 81 SPECIFICATION





NOTE:

We are using a new lens cell design that includes FPL-53 glass in the WO two element designed APO refractor (Zenithstar series). This design is perfect for temperature compensation to better prevent pinched optics, that can occur in cold weather conditions. Before storing your telescope, you must leave it uncovered, with the tube opened for enough time to allow it to adjust to the room temperature. You must make sure the telescope is completely dry of any dew or moisture before it can be safely stored. The telescope should always be stored in a dry location, with a consistent temperature.

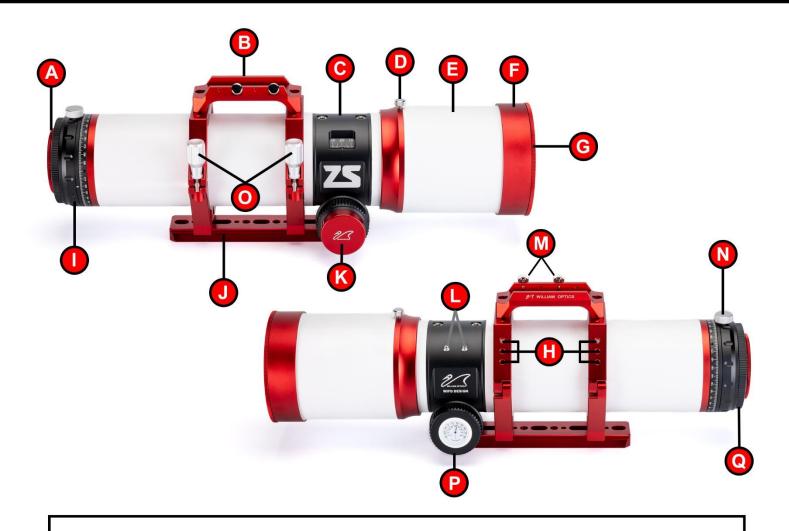
WIFD ZENITHSTAR 81 PACKAGE CONTENTS



- A. Dust Cover with Bahtinov Mask
- B. Main Tube
- C. 120mm Saddle Handle Bar
- D. Camera Angle Rotation Device
- E. M92 to M63 Adapter (for FLAT6AIII)
- F. 210mm Vixen Style Dovtail Plate
- G. Soft Carry Case

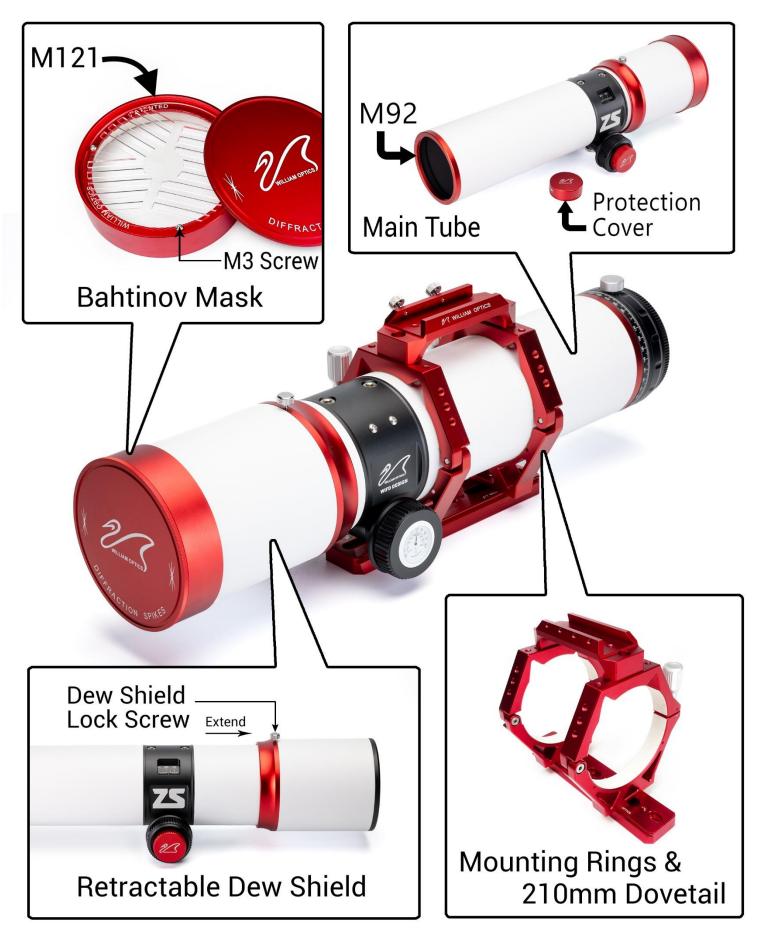
WIFD ZENITHSTAR 81

PARTS



- A. Rear Dust Cap (M63)
- B. 120mm Saddle Handle Bar
- C. WIFD Focuser
- D. Dew Shield Locking Screw
- E. Dew Shield
- F. Lens Cover with Bahtinov Mask
- G. Front Bahtinov Mask Cover
- H. M6 Screw Holes for Finder Bracket
- I. Camera Angle Rotator
- J. 210mm Dovetail

- K. 2 Speed 10:1 Ratio Fine Knob
- L. M4 Screw Holes for Finder Bracket
- M. Locking Screws on Saddle Handle Bar (M4)
- N. Camera Angle Rotation Locking Screw
- O. Mounting Rings / Knobs
- P. Focuser Adjusting Knob with Thermometer
- Q. M92 to M63 Adapter







Use 5mm Allen Key

Use 2.5mm Allen Key

R & P GEAR SPACING SCREWS

- Adjustment Screws (3 mm Allen Key) Pull Screw
- O Adjustment Screws (2 mm Allen Key) Push Screw
- O Can be Removed to Attach the Electronic Motorized

 Device such as EAF (Please refer to the instructions on page 10)
- O Tension Screw (Please refer to Note 2)





IMPORTANT NOTE:

- 1. The focuser smoothness adjustment **ONLY** when necessary by progressively push & pull screws until you reach the desired smoothness.
- 2. When using the telescope with the motor, please ensure that the tension screw is not over-tightened. Over-tightening the tension screw may cause damage to the focuser.
 - Think of it like driving a car and pressing the gas pedal while also pressing the brake simultaneously. Just as this action could harm your car's systems, over-tightening the tension screw could compromise the functionality of your telescope's focuser.

How to Install EAF



Step 1.

Remove the top screw with 2mm Allen key.

Step 2.

Release two inner knob screws.

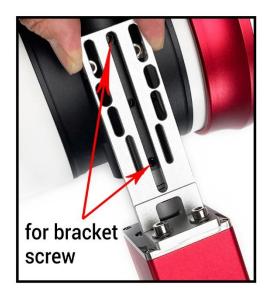




Step 3.

Remove the knob.

How to Install EAF

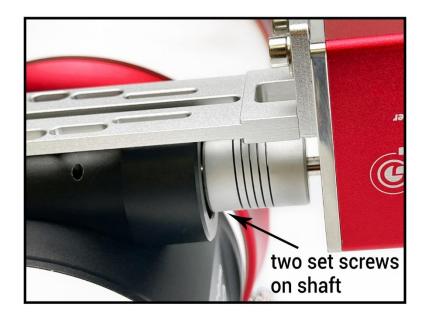


Step 4.

Align the screw holes.

Step 5.

Lock two set screws on shaft.





Step 6.

Tighten both bracket screws.

WIFD ZENITHSTAR 81 ACCESSORIES MAP

Vistit W.O. webpage for details by Scanning the QR Code of the products

