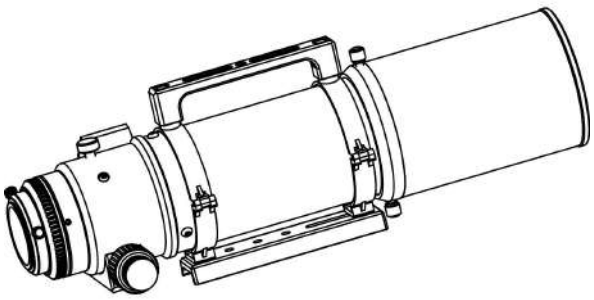
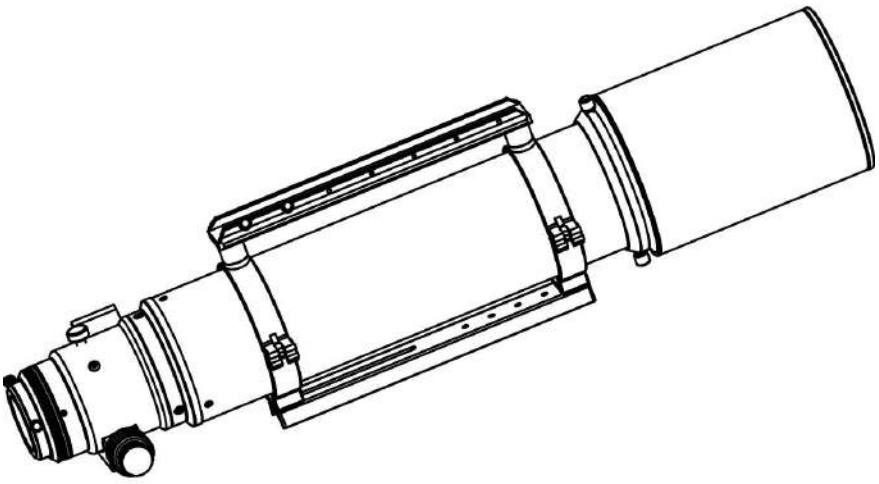
INSTRUCTION MANUAL

EVOSTAR 80/100/120/150 EDX





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Be amazed.

202505V1

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Introduction

The “ED” refers to the 2-element fully multi-coated extra-low dispersion lens made of high quality optical glass.It results in highly colour corrected and high contrast images while still offering outstanding value for money.

KEY FEATURES
User level: intermediate & advanced users
Highly recommended for astrophotography
Two element ED refractor
High transmission coatings
Fully baffled and blackened
Quality optical glass
Dual speed focuser.

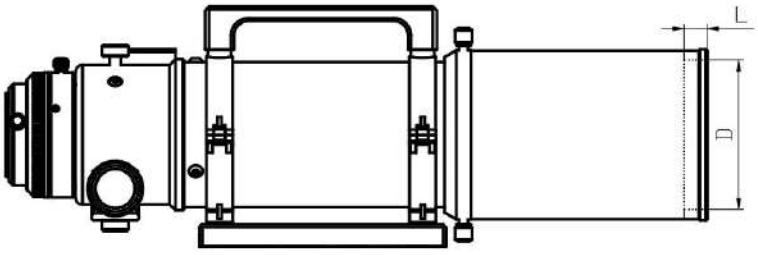


- THE SUN. PERMANENT EYE DAMAGE WILL RESULT.
- NEVER USE AN EYEPIECE-TYPE SOLAR FILTER.
- NEVER USE YOUR TELESCOPE TO PROJECT SUNLIGHT ONTO ANOTHER SURFACE; THE INTERNAL HEAT BUILD-UP WILL DAMAGE THE TELESCOPE OPTICAL ELEMENTS.
- USE A PROPER SOLAR FILTER FIRMLY MOUNTED ON THE FRONT OF THE TELESCOPE FOR VIEWING THE SUN.
- WHEN OBSERVING THE SUN, PLACE A DUST CAP OVER YOUR FINDERSCOPE OR REMOVE IT TO PROTECT YOU FROM ACCIDENTAL EXPOSURE.
- NEVER LET A TELESCOPE POINTING THE SUN UNATTENDED.

Specifications

	EVOSTAR 80EDX	EVOSTAR 100EDX	EVOSTAR 120EDX	EVOSTAR 150EDX
Optical system	Two-elements, one is ED glass	Two-elements, one is ED glass	Two-elements, one is ED glass	Two-elements, one is ED glass
Clear aperture	80mm	100mm	120mm	150mm
Focal Length	600mm	700mm	900mm	1200mm
Focal ratio	F/7.5	F /7	F/7.5	F /8
Length (with dew shield retracted)	475mm	570mm	774mm	1067mm
Length (with dew shield extended)	557mm	675mm	848mm	1250mm
Focusing mechanism (dual-speed)	1: 10	1: 10	1: 10	1: 10
Focusing travel	67mm	67mm	67mm	90mm
Aperture of the focusing tube	2.6''	2.6''	2.6''	3''

Thread size of the objective lens cell



When the dew shield is fully retracted, you can see the thread at the front of the objective lens cell, which is used to connect the front filter and other accessories.

EVOSTAR 80EDX D= M92X1.5 L=13mm

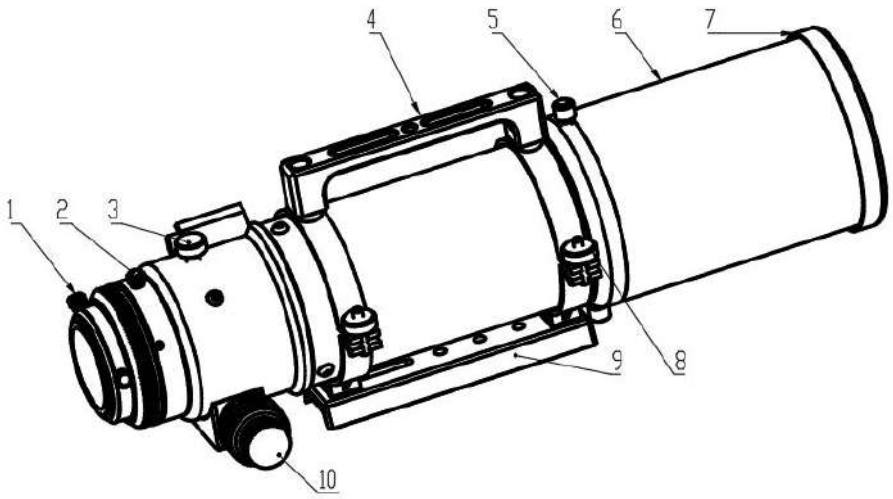
EVOSTAR 100EDX D=M108X1 L=14mm

EVOSTAR 120EDX D=M130X1 L=17mm

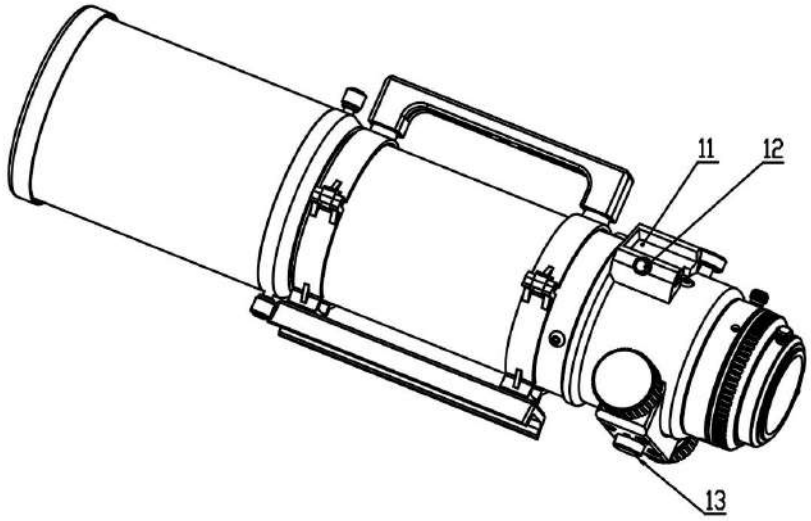
EVOSTAR 150EDX D=158X1.5 L=23mm

Names and instructions of spare parts

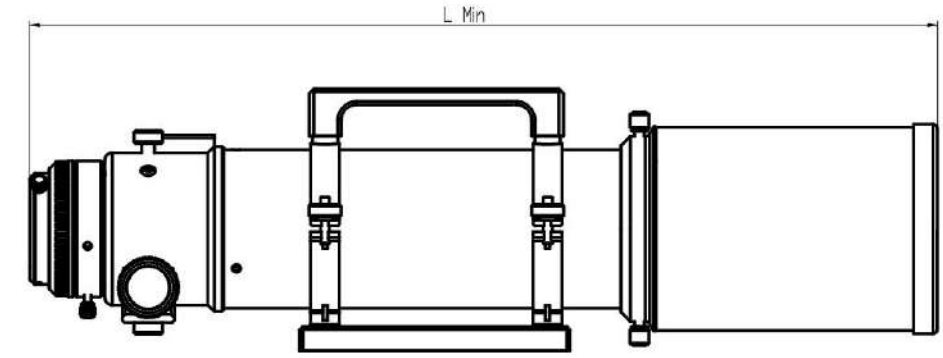
Part name

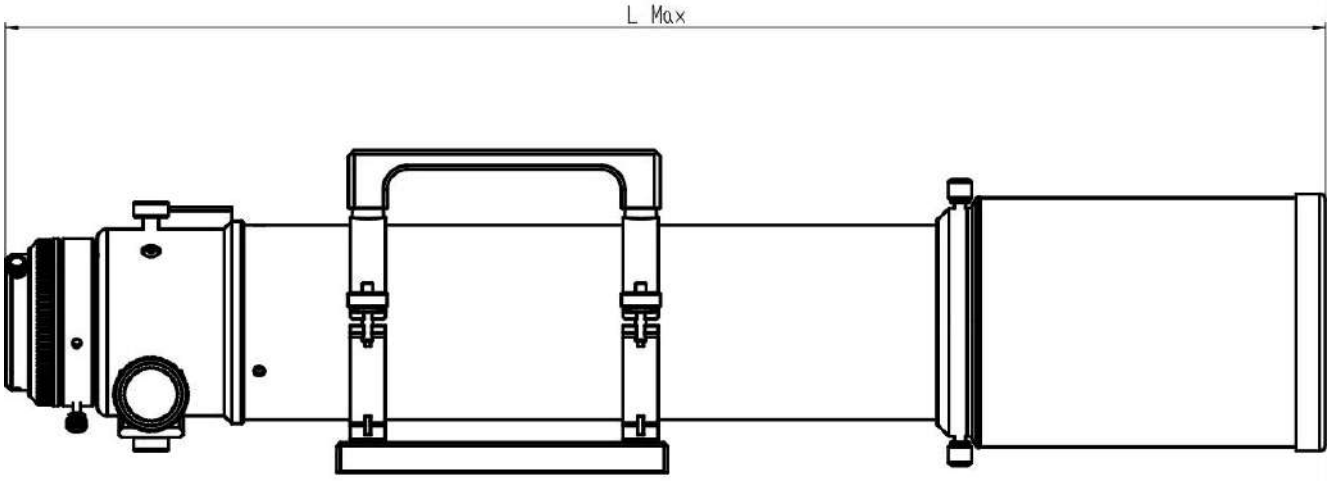


1、2" eyepiece set screw
2、Eyepiece rotation set screw
3、Focusing tube fixed screw 1
4、Handle
5、Dew shield locking screw
6、Dew shield
7、OTA cap
8、Tube ring locking screw
9、Dovetail
10、1:10 dual-speed focusing knob
11、Finderscope bracket
12、Finderscope set screw
13、Focuser drawtube set screw 2



Retractable dew shield



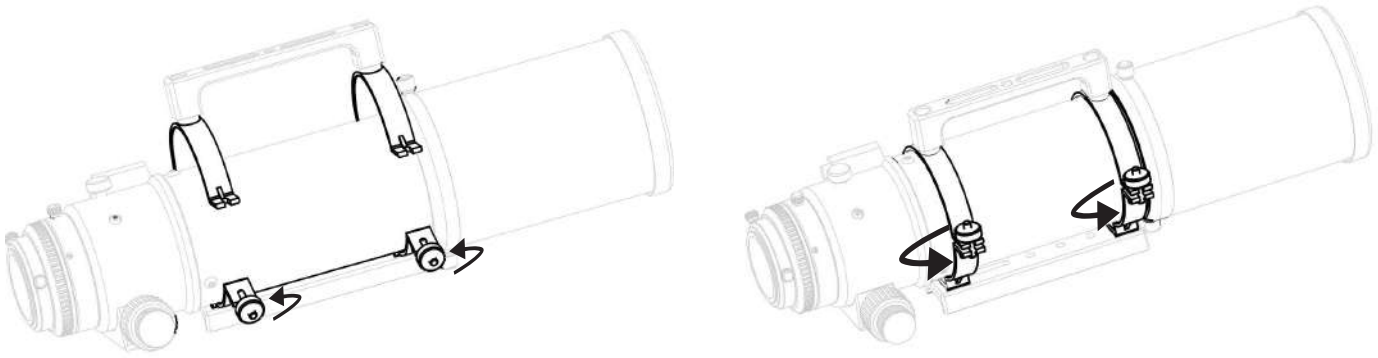


EVOSTAR 80EDX	L Min=475	L Max=557
EVOSTAR 100EDX	L Min=570	L Max=675
EVOSTAR 120EDX	L Min=774	L Max=848
EVOSTAR 150EDX	L Min=1067	L Max=1250

When using the dew shield, extend it to the length as needed and then tighten the dew shield locking screw.

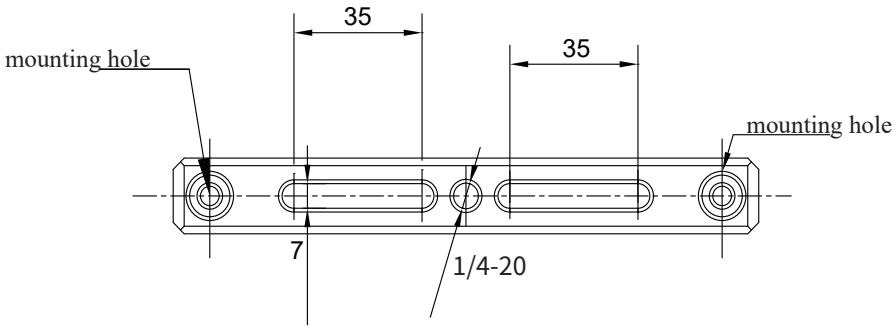
Tube ring installation

Loosen the tube ring locking screws, you can take off the OTA and move it. Tighten the tube ring screws, you can fix the OTA.



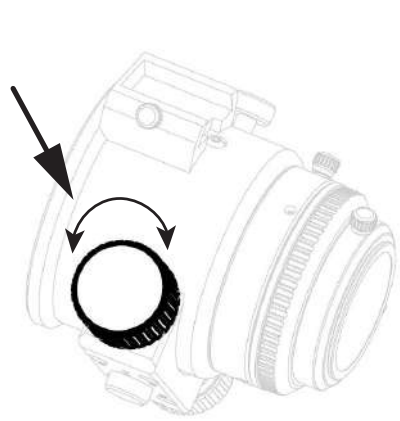
Handle

The handle on the tube ring assembly, in addition to the function of hand grip, the upper slot and the middle 1/4-20 teeth can be used to install other equipments. The specific size is shown in the figure as below.



Focusing assembly

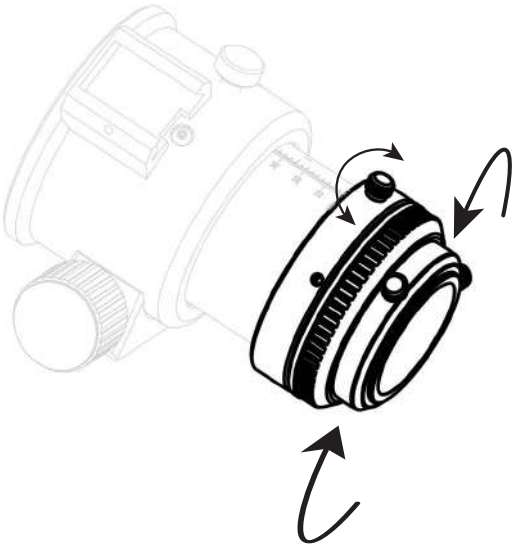
It is a 1:10 dual-speed focusing mechanism, which can finish the coarse tuning with bigger size knob and finish the fine tuning with the smaller knob



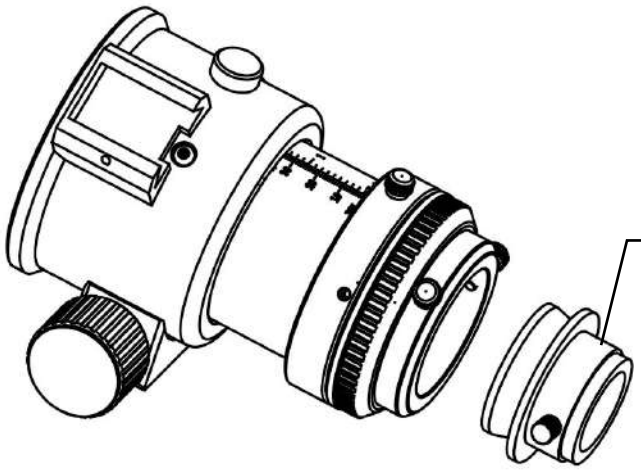


Rotatable visual back

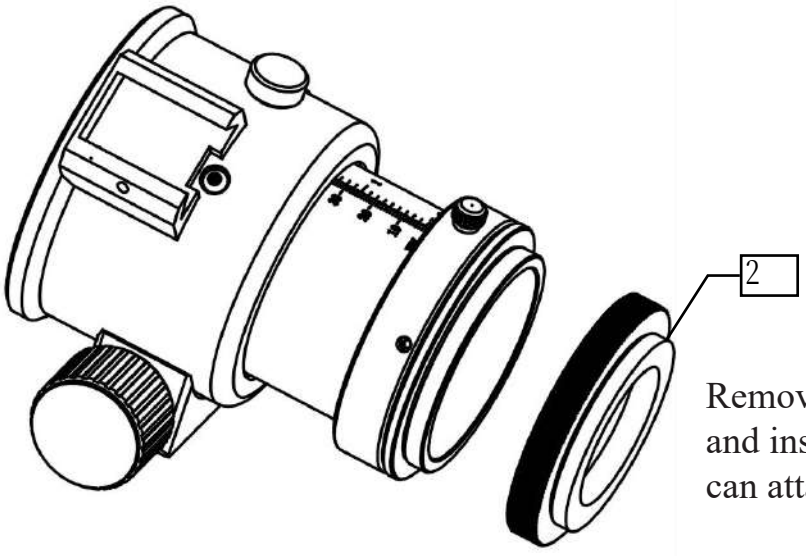
Loosen the 2" eyepiece set screw, the visual back can be rotated, and rotate it as needed, then tighten the screw.



Use of the adapter



Install the adapter 1, you can attach a 1.25" diagonal



Remove the 2" eyepiece adapter and install the adapter 2, you can attach the flattener.

Note: The flattener needs to be purchased separately.



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