60mm CompactGuide scope with PLUS 80mm guide rings
USER MANUAL

VERSION 2.0

Update 04-06-2026



60mm CompactGuide scope with PLUS 80mm guide rings is a PrimaLuceLab SpA (Italy) product. For any matters relating to the use, service and warranty, please refer to the addresses given in the relevant documents.

English

WARNING: NEVER POINT THIS TELESCOPE AT THE SUN OR LOOK AT THE SUN THROUGH THIS TELESCOPE WITHOUT A PROPER SOLAR FILTER. You could permanently damage your eyes! Children must use the telescope only under adult supervision. If you leave the telescope outside and unattended, always put the front cap back on.

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Contents of the package

- 60mm CompactGuide scope with 80mm PLUS guide rings
- Extension
- 2 curved blocks for installation on EAGLE
- 4 M5x12 screws
- 4 M6x12 screws
- M4x6 grub screw



First use: install 60mm CompactGuide scope on your telescope or EAGLE

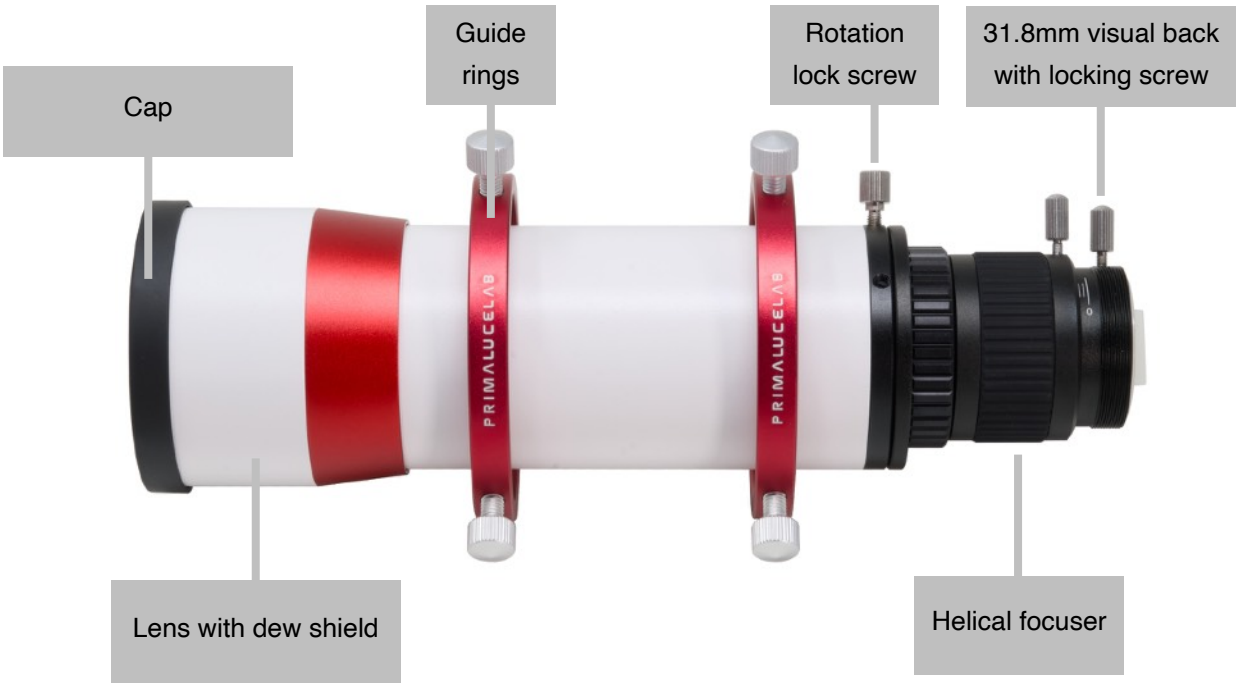
The 60mm CompactGuide guide scope comes with two 80mm PLUS guide rings that allow you to install it in parallel with a telescope or with the EAGLE computer. To install it, attach the 80mm PLUS guide rings to the support rings of your telescope or to your EAGLE. If you install it on the EAGLE, you can use the curved plates included in the box, as shown in the image below, to provide a better attachment.



Then insert the guide scope into the guide rings and secure it with the dedicated screws, which also prevent scratches. Note that, to insert the guide scope into the PLUS rings when installed on top of the EAGLE, you must first remove the focuser rotation lock screw and replace it with the M4x6 grub screw included in the box.



60mm CompactGuide scope parts



Use the 60mm CompactGuide scope with a guide camera

The 60mm CompactGuide guide scope is designed for use with many guide cameras, which can be inserted in the 31.8mm focuser connection or screwed on the T2 thread of the focuser. Connect the guide camera and secure it with the 31.8mm focuser lock screw. Then you can use the helical focuser to precisely focus the guide camera.



Use the 60mm CompactGuide scope with an eyepiece

The 60mm CompactGuide guide scope can also be used as an optical finder by adding a 31.8mm diameter eyepiece. To do this, first attach the extension to the back of the 60mm CompactGuide guide scope, then insert the 31.8mm diameter eyepiece.

Note: to add the extension after the focuser, first remove the focuser lock screw, then screw on the extension, as shown in the image.



Depending on the (optional) eyepiece installed, the 60mm CompactGuide guide scope generates different magnifications. The magnification generated by an eyepiece is given by the following formula:

$$\textit{magnification} = \frac{\textit{guide scope focal length (mm)}}{\textit{eyepiece focal length (mm)}}$$

Since the 60mm CompactGuide guide scope has a focal length of 240mm, when used with a 10mm focal length eyepiece it generates:

240 / 10 = 24 magnifications

To focus the eyepiece, you can use the helical focuser in the same way you use it with the guide camera.

Questions & Answers

Q: When I use my guide camera and connect it to the autoguiding software, I can see that the stars have a halo around them, even when I focus. Is the guide scope miscollimated??
A: No, this is normal and is especially visible on bright stars and when you use monochromatic guide cameras that are also sensitive to the near-infrared and ultraviolet part of the electromagnetic spectrum. The 60mm CompactGuide guide scope has achromatic optics that cannot perfectly focus all wavelengths, especially near-ultraviolet and near-infrared ones. So it is normal to observe this "halo" around the stars. To reduce it, simply add an IR/UV-cut filter in front of the guide camera. Keep in mind that this halo does not affect the performance of the autoguiding software, so you can guide without any issues even when selecting a star with this halo visible.

Q: When I connect my guide camera to the focuser of the 60mm CompactGuide guide scope, I cannot find the focus point.
A: Reaching focus may or may not require the use of the extension, depending on the type of guide camera you are using. Start by trying without the extension, but if you cannot find the focus point, add the extension and try again.

Q: The helical focuser of the 60mm CompactGuide guide scope is stiff and seems locked.
A: Check that the focuser lock screw is not closed. If it is, loosen it to allow you to use the focuser.

WARRANTY

1) The warranty on PrimaLuceLab products starts from the invoice date and will only be valid if the purchase invoice (or receipt) is attached to it.

2) The warranty covers the product against manufacturing defects and includes the cost of replaced parts and labor.

3) The warranty does not cover any damage caused to the product, nor defects or failures arising from incorrect installation, improper use, and/or deterioration due to normal wear and tear.

4) THE WARRANTY IS NOT VALID IN THE FOLLOWING CASES:
   - Repair carried out by personnel or workshops not authorized by PrimaLuceLab.
   - Invasive intervention or tampering with internal and/or external parts.
   - Absence of the purchase invoice (or receipt).

TECHNICAL SUPPORT CONDITIONS
Technical support is provided exclusively at PrimaLuceLab or its authorized distributors. All returns must be sent to us with prior authorization (to be requested at support@primalucelab.com). It is MANDATORY to include the purchase invoice (or receipt) and a detailed description of the reported defect with the shipment. For products without a purchase invoice (or receipt), repair and shipping costs are always the responsibility of the customer, following an accepted quote.