



Parts List

- Ⓐ 1.25" eyepiece holder cap
- Ⓑ Eyepiece twist lock
- Ⓒ Right eyepiece holder
- Ⓓ Left eyepiece holder
- Ⓔ Interpupillary Distance (IPD) scale (58-74mm)



- Ⓕ Diopter focusing ring
- Ⓖ IPD adjustment casing
- Ⓗ 1.25" barrel
- Ⓘ 1.25" barrel cap

Features

- Erecting optics
- Fully multi-coated glass
- Magnification 1:1
- More comfortable observation
- Interpupillary distance (IPD): 58~74mm (2.28"~2.91")
- Adjustable diopter design (+ ◀▶ --)
- Twist lock self-centering eyepiece holder
- Patent: TW 105211430
CN 201620803363.3
- Patent pending#: US 15/661,163



WARNING:

Do not look at the sun through the binoviewer and telescope without a professionally made solar filter on the front of the telescope, or permanent eye damage could result! Children should use only with adult supervision. Always keep the telescope covered if left outdoors in daylight, unattended. Store the binoviewer in a clean and dry place.

How to use:

1. Remove the Ⓐ1.25" eyepiece holder caps and ①1.25" barrel cap before using the binoviewer.
2. Attach the binoviewer to the telescope. Ensure the binoviewer is firmly affixed.

A) On Cassegrain or Refractor Telescope

Attach a non-inverting diagonal, such as pentaprism or a half-pentaprism diagonal, to the focuser of the telescope. Insert the Ⓣ1.25" barrel of the binoviewer into the diagonal. Be sure to tighten the screws to hold the barrel in place. The image should be erect after attaching the eyepieces. A mirror or roof-prism diagonal may be used, but the image will be upside down and it may be laterally inverted.

Diagonal Type	Image
Non-inverting diagonal, like pentaprism or half-pentaprism diagonal	Erect image
Mirror Diagonal	Upside down; laterally not inverted
Roof-prism diagonal	Upside down and laterally inverted

On Newtonian Reflector Telescope

Insert an eyepiece into the focuser tube of a Newtonian telescope to find an object. Adjust the focus to get a clear, sharp image. Remove the eyepiece, and insert the Ⓣ1.25" barrel of the binoviewer into the focuser tube and secure. The image will be erect after inserting the eyepieces.

B) Install Eyepieces

Insert two of the same eyepiece into the end of the ⓉLeft eyepiece holder and ⓈRight eyepiece holder. Rotate the ⓇEyepiece twist locks to secure the eyepieces in place. Ensure the eyepieces are firmly affixed.

C) Adjust the ⓈIPD scale (58-74mm)

Look into both eyepieces. While holding both sides of the ⓈIPD adjustment casings push inward or pull outward to adjust the casing until the two images merge into one. Remember the number of the IPD scale, so you can set the binoviewer to your Interpupillary distance next time.

D) Focus For Each Eye

- 1) Cover your right eye and look through the left eyepiece using your left eye. Adjust the **telescope focus** to get a clear, sharp image, then lock the focuser.
- 2) Cover your left eye and look through the right eyepiece using your right eye. If the image is fuzzy rotate the ⓈDiopter focusing ring, which is marked **+ ◀▶ -** until the image becomes clear and sharp. When the image is clear and sharp, verify the view through the left eyepiece remains clear and sharp. Repeat steps if needed.

The binoviewer is now adjusted and ready to use.

Cleaning the Binoviewer: For how to clean your telescope's optics visit, explorescientificusa.com/cleaning or scan the QR code.

