

VIXEN BT80M-A BINOCULAR TELESCOPE



Vixen BT80M-A Specifications:

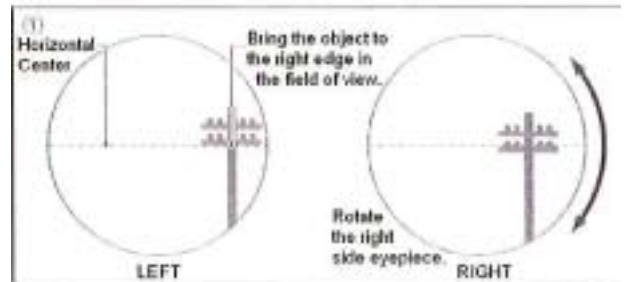
Objective		Performance	
Aperture	80mm	Magnification	36x
Focal Length	900mm	Angular field of view	1.11
Aperture Ratio	1:11.2	Linear Field of View	19m at 1000m
Optical Composition	2 Air spaced components with built in tele-extender	Exit Pupil	2.22m
		Magnification can be changed by using other optional Vixen NLV Eyepieces	
Coatings	Magenta coated		
Eyepiece		Measurements	
Optical Composition	2 group - 4 element OR25mm	Size	23 in x 7.5 in x 8.5 in (58cm x 19cm x 21.5cm)
Coatings	Multi Coated	Weight	11 lbs (5kg)

Using your BT80M-A Vixen Binocular Telescope

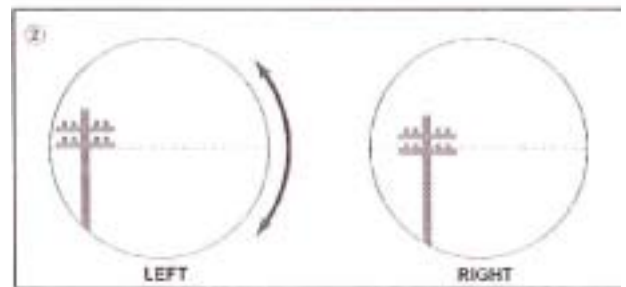
- To install on a photo tripod**, screw the photo tripod adapter on the pan head of the tripod.
- Aligning 3 Dots**: Align the three dots marked on the eyepiece, focusing ring and prism housing in red for the right side of the binocular telescope and in green for the left side. Optical axis is now collimated and focus is adjusted to infinity.
- Adjust the inter pupillary distance**: Hold the right and left prism housings with your hand and look through the binocular telescope while turning them until one clear circle of image is seen.
- Focusing**: Close your left eye and look through the right eyepiece with your right eye. Rotate the focusing ring of the right eyepiece until the image appears in sharp focus. Next, close your right eye and look through the left eyepiece with your left eye. Rotate the focusing ring of the left eyepiece until the image appears in sharp focus.

Vary the magnification by using other Vixen NLV Eyepieces. However, these are not marked with aligning dots for collimating the optical axes. The following adjustment may be required.

Look through the left eyepiece and find an object in excess of 1000 yds away. Bring the object to the right edge of the horizontal center in the field of view. Then look through the right eyepiece. If the object is seen at a level with the image of the left eyepiece, the optical collimation is good. If not, rotate the right eyepiece slowly clockwise or counter clockwise until it is seen at a level with the image in the left eyepiece.



If it is not possible to level it with the image of the left eyepiece by rotating the right eyepiece. Try to do the same adjustment as the above by rotating the left eyepiece.



Note: At a low power, an object can be seen clearly and brightly. It is advisable to begin with a low power eyepiece having a long focal length and to change it gradually to a high power eyepiece having a short focal length. When using the nlv25mm eyepiece on the Vixen BT80M-A, power will be 36x which is fairly high in comparison with magnification of ordinary binoculars.