

**Vixen®**

# BT125-A BINOCULAR TELESCOPE

The BT125-A is the largest possible binocular which can be installed on a photo tripod. An optional Alt-azimuth Fork Mount and an optional aluminum tripod are highly convenient for smooth manual slow-motion controls on both axes.

The BT125-A features a pair of 125mm achromatic objective lenses of F6.08 which collect over 300% more light than the naked eye.

The 45-degree angled eyepiece holders provide a comfortable viewing through the binocular eyepiece both for terrestrial and for astronomical observations.

Each eyepiece holder accepts an optional 31.7mm (1.25") eyepiece. The interchangeable eyepieces allow you to choose different magnifications. Focusing is done individually by twisting each eyepiece barrel.

The binocular body is equipped with a Dovetail based Finder Bracket to accept any Vixen finder scope.

## SPECIFICATIONS

Aperture : 125mm

Focal length: 760mm

Focal ratio : F/6.08

Objective elements: 2 Air-spaced  
achromatic

Coatings : Multi-coated

Eyepieces : Optional,  
31.7mm (1.25")  
Eyepieces

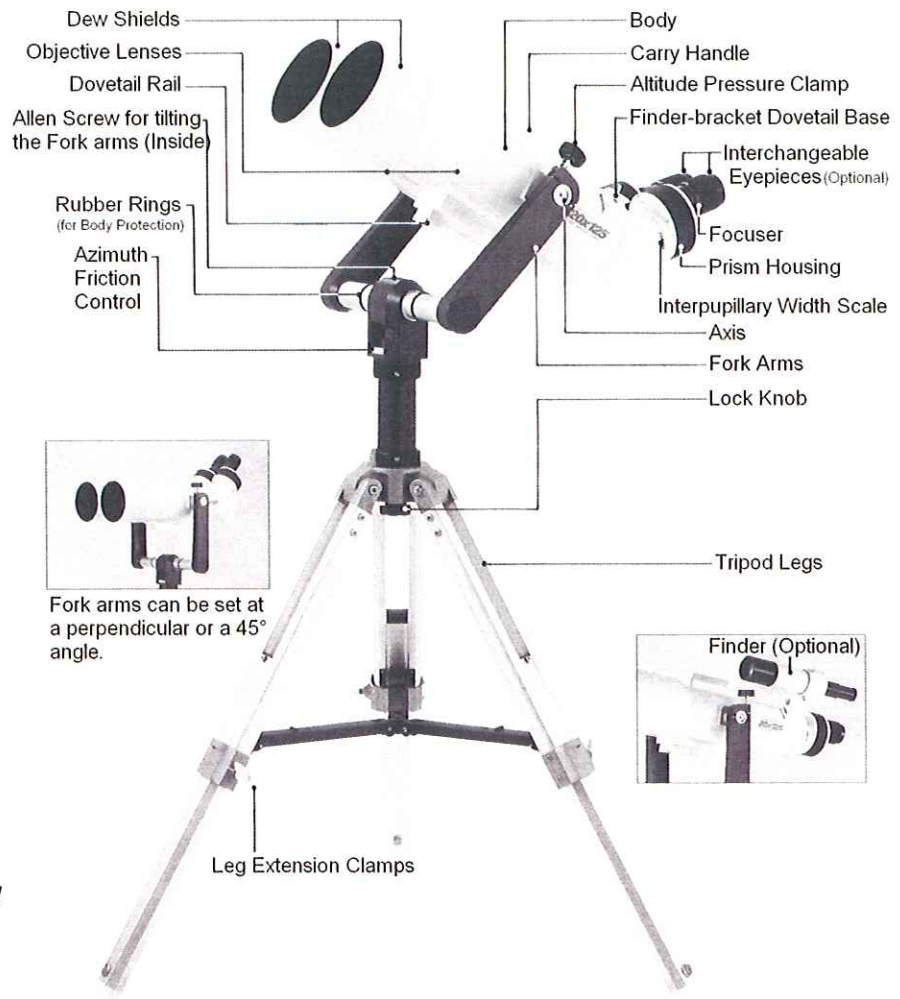
Magnification: Varies with  
eyepieces used.  
(\*x34.5)

Angular Field of View: Varies with  
eyepieces used.  
(\*1.88 degrees)

(\*If combined with two of Vixen  
LVW-22mm eyepieces sold  
separately.)

Dimensions: 630mmL x 360mmW  
(20.67" x 11.81")

Weight: 10.9 Kg (24.0 lb.)

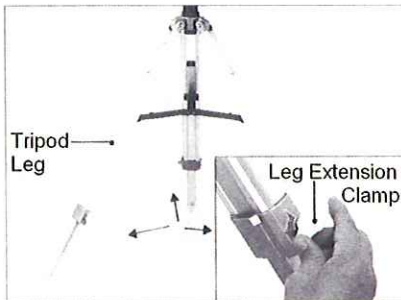


Fork arms can be set at a perpendicular or a 45° angle.

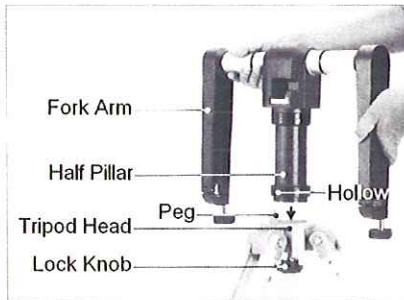
Finder (Optional)

Shown with the Fork mount and Aluminum tripod sold separately.

## SETTING UP THE FORK MOUNT / USING YOUR BT125-A BINOCULAR TELESCOPE



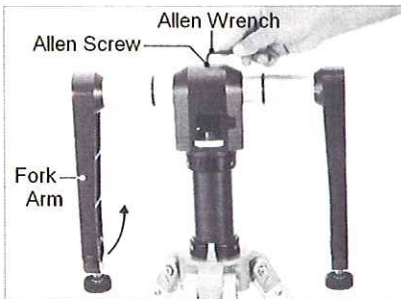
① Loosen the leg extension clamps and draw out the tripod legs. Pull the legs so that they are extended fully.



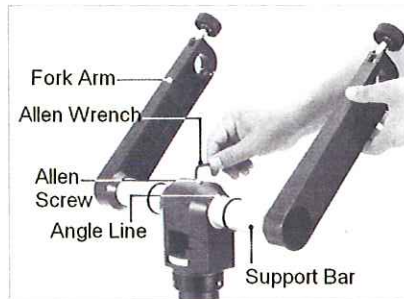
② Attach the fork mount to the tripod head so that the hollow on the lower part of the half pillar is fit to the peg on the tripod head.



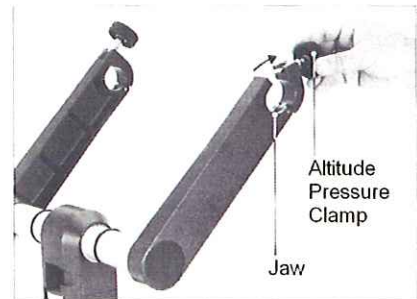
③ While holding the fork mount in one hand, tighten the lock knob beneath the tripod head securely in another hand.



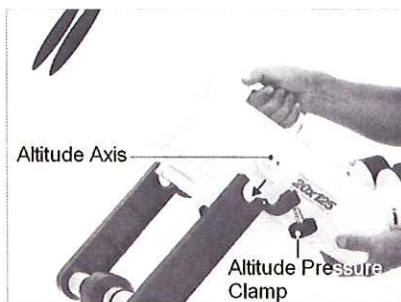
④ Pull off the center black cap on the fork mount, and loosen the inner Allen screw with Allen wrench to allow the fork arms to be set upright or at 45-degree angle.



⑤ There is an angle line to show a 45-degree on the support bar. Tilt the fork arms so that the angle line corresponds to the pointer marked on the center support base of the fork mount.

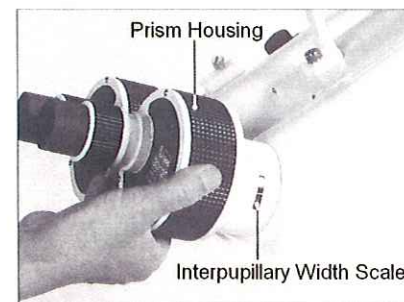


⑥ Loosen the altitude pressure clamps and open the jaws of the upper side.

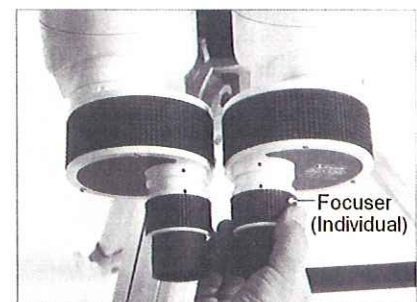


⑦ Mount the BT125-A so that the two altitude axes on the binocular body are inserted in the lower jaws. Cover the upper jaws and tighten the altitude pressure clamps slowly until the binocular balances itself by friction.

Both vertical and horizontal movements use friction to hold the binoculars where it is pointed.



⑧ Adjust the interpupillary width to your eyes by rotating both the prism housings equally. Look at a distant object through the eyepieces and move the two halves of the prism housings until the circles of field of view becomes one completely. Insert 31.7mm (1.25") telescope eyepieces of the same focal length into each of the eyepiece holders.



⑨ To adjust focus, close your left eye and look through the right side of the eyepiece. Turn the focuser on the right side until the image appears in sharp focus. Next, close your right eye and look through the left side of the eyepiece. Turn the focuser on the left side until the image appears in sharp focus. Now look through the eyepieces with both eyes open.