

## Vixen BT81S-A Binocular Telescope

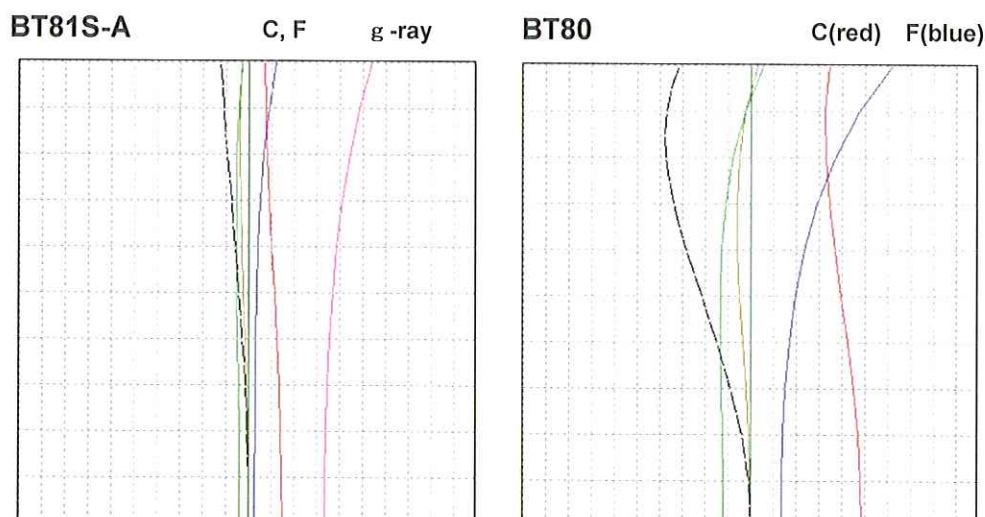
The BT81S-A Binocular Telescope features newly designed air-spaced doublet objective lenses which correct chromatic aberration very pleasantly and produce magnificent views with both eyes. The eyepiece holders are tilted at a 45° angle for easier viewing. The lightweight and handy short body allows you take the BT81S-A easily to remote observing sites.



### **SPECIFICATIONS**

Objective design	: Air-spaced doublet achromatic
Effective aperture	: 81mm
Objective coating	: Magnesium fluoride single layer coating
Focal length (Focal ratio)	: 480mm (F/5.9)
Resolving power/Limiting magnitude	: 1.43 arc seconds / 11.3
Light gathering power	: 134x
Visual back	: Friction fit, 31.7mm size
Eyepiece (Optional)	: NLV or LVW series of eyepieces
Interpupillary distance	: 58mm to 102mm, with scale
Mount block	: Dovetail bar for SX/GP
Threads	: 1/4-inch x 2 & 3/8-inch x 1
Dimensions	: 480mm long x 190mm wide x 155mm high
Weight	: 4.1kg (9 lbs)

### **CHROMATIC ABERRATION CHART - Compare to BT80 (Former model)**



Scale: 20micron  
(0.02mm)

The above chart on the right, you see g-ray (purple) is missing due to a deviation from the scale defined.