

## Omni XLT AZ 102



Item no:22150

**Read a review of the Omni 102 AZ by All About Space Magazine below.**

### **All-New Omni AZ Mount**

For years, Celestron's Omni equatorial mount has set the industry standard for elegant design. With this new addition to the lineup, our engineers have brought that same level of sophistication to an altazimuth mount. Designed from the ground up, it's our best manual AZ mount ever.

Worm gears on both axes provide smooth, easy motion when tracking targets. Plus, you'll find slip clutches in both axes for quick and easy pointing. A sturdy aluminum tripod anchors Omni AZ and stabilizes your images. Your Omni AZ comes together in just minutes with a simple, no-tool setup.

### **Stunning Views, Day to Night**

Omni AZ is the ideal telescope for day-to-night observations. A dual-position arm can be raked back for pointing higher in the sky, or adjusted to point downward for viewing objects at or below the horizon. Perfect for balconies, high windows, and observation decks, Omni provides stunning views of wildlife, landscapes, and more. Plus, its beautiful design makes it a showpiece in any room.

### **High Quality XLT Optics**

Celestron's Omni family has always been synonymous with bright, clear views. You'll find the same high quality optical components in our new AZ telescopes. All optical surfaces on the Omni XLT AZ 102 are fully coated with XLT optical coatings. This proprietary technology found on our observatory-grade telescopes ensures maximum light transmission and Omni's signature crisp views.

The 102 mm refractor provides enough light-gathering ability to view all the best celestial objects in the solar system and beyond. The telescope's wide field of view allows you to appreciate extended objects such as the Pleiades Star Cluster, Andromeda Galaxy, or simply panning the Milky Way. Some telescopes can invert or flip your subjects, but Omni XLT AZ 102 includes erect image optics for correctly oriented images. Your Omni AZ telescope also includes a high-quality 25 mm Plossl eyepiece.

## Locating Objects is Easier than Ever

From a perching shorebird to a distant galaxy, zero in on your subject quickly and accurately with our all-new StarPointer Pro reticle finderscope. Instead of a red dot, which can obscure your target, StarPointer Pro projects a dual circle reticle. Place your subject in the center of the circles, and you're ready to view it with your Omni AZ telescope. It's that easy.

- New Omni manual slow-motion altazimuth mount uses worm gears for smooth, easy tracking of celestial or terrestrial targets and slip clutches for quick and easy pointing.
- Quality optical components are fully coated using Celestron's proprietary XLT coatings—the same ones found on our observatory-grade telescopes.
- Refractor offers a large 102 mm aperture and wide fields of view for both astronomical and terrestrial viewing.
- The mount's single arm can be repositioned to point near the zenith for astronomical use or downward for terrestrial observing from a deck or window.
- Premium StarPointer Pro finderscope projects a dual-circle reticle instead of a simple red dot.

### SPECIFICATIONS:

**Optical Design:** Refractor

**Aperture:** 102mm

**Focal Length:** 660mm

**Focal Ratio:** f/6.5

**Optical Coatings:** Fully XLT coated glass optics

**Eyepiece/Magnification:** 25mm Plössl (1.25x) / 26x

**Star Diagonal:** Erect image 90 degree (1.25x)

**Finderscope:** StarPointer Pro red LED with dual circle reticle

**Other Accessories:** SkyPortal app

**Resolution:** Rayleigh: 1.37 arc seconds / Dawes Limit: 1.14 arc seconds

**Light Gathering Power:** 212x the unaided eye

**Highest Useful Magnification:** 240x

**Lowest Useful Magnification:** 15x

**Limiting Stellar Magnitude:** 12.5

**Tripod:** Aluminum, 49" max height

**Warranty:** 2-Years

**Optical Tube Length:** 32"

**Total Telescope Kit Weight:** 13.8lbs

**Included Items:** OTA, mount/tripod (preassembled), 25mm eyepiece, erect image diagonal, StarPointer Pro finderscope 3x barlow, accessory tray, SkyPortal app

To discover more and to find your local Celestron dealer please visit our [Dealer Page](#)



## Recommended Accessories



Advanced VX 6 Refractor  
£0.00



Omni XLT 102  
£0.00



Omni XLT 120  
£0.00



Dual Axis Motor Drive for CG-4  
Mounts  
£0.00



Celestron Sky Maps  
£0.00



Eyepiece Filter Set - 1.25 in (21,  
80A, 15, Polarizing)  
£0.00



Omni 1.25 in - 2x Barlow Lens  
£0.00



CG-4 Polar Axis Finder

£0.00



Omni Series 1.25 in - 6mm

£0.00



Eyepiece & Filter Kit 1.25 in

£0.00



Moon Filter - 1.25 in

£0.00



X-Cel LX 18mm Eyepiece

£0.00