

Celestron CPC 925 EdgeHD Computerized Telescope

**AUD
\$9,299.00**

Product Images



Short Description

- Celestron's top-performing altazimuth telescope system, the CPC Deluxe HD is a favorite among experienced amateur astronomers and the preferred telescope of the late Stephen Hawking
- 9.25-inch EdgeHD optical tube provides stunning views and sharp astroimages free of visual defects
- NexStar+ hand control and internal GPS guides users through the simple SkyAlign setup and features a 40,000+ object database
- Sturdy dual fork arm mount with upgraded gears and motors anchors the telescope for superior tracking and pointing accuracy
- Ready for serious astroimaging, CPC Deluxe HD features All-Star Polar Alignment and Permanently Programmable Periodic Error Correction when equipped with the HD Pro Wedge

For customers wishing to fit solar filters, the outside OTA diameter is 272 mm.

NOTE: For solar viewing the Astrozap Glass Solar filter (Product No. 124446) is recommended.

Description

Combine top-of-the-line performance with unlimited versatility and you have the CPC Deluxe 925HD. From a casual night of backyard observing to serious astroimaging at a dark sky location, the CPC Deluxe HD is a customer favorite for any application. The CPC/CPC Deluxe family is also the telescope of choice for NASA (a CPC 925 is currently deployed aboard the International Space Station) and the late astrophysicist Stephen Hawking, who used his CPC Deluxe 1100HD at his home in Cambridge, UK.

Celestron's Best Optics

What makes the view through a CPC Deluxe HD unforgettable? It all starts with our proprietary EdgeHD optical system. This unique design corrects for both coma and field curvature, providing aberration-free images and pinpoint stars across the largest imaging sensors and all the way to the edge of the widest eyepieces

Read more about how EdgeHD outperforms competing optical systems by downloading the EdgeHD whitepaper in the Support and Download tab.

All EdgeHD systems include our StarBright XLT coatings on all optical surfaces for brighter images and increased light transmission. Plus, every EdgeHD optical tube is Fastar compatible. Simply remove the secondary mirror and attach a third party lens assembly and you're ready to image the night sky at ultra-fast f/2.

Ultimate Versatility

Customers and reviewers have hailed the CPC Deluxe an all-around top performer, equally well suited to a star party or a university astronomy course. The beefy dual fork arm mount anchors the telescope for ultra-precise tracking, but weighs just 64.84 lbs and includes rugged carrying handles to make setup quick and easy.

As soon as you turn on your CPC Deluxe HD, you'll be guided through our simple SkyAlign procedure. The telescope walks you through centering any three bright objects in the eyepiece. From there, it's ready to locate and track more than 40,000 celestial objects.

To customize your experience under the stars, CPC Deluxe HD is compatible with all of Celestron's latest accessories. Add StarSense AutoAlign and your CPC will align itself in under 3 minutes. Or add the SkyQ Link 2 WiFi Module and control your telescope using a smartphone or tablet.

With this much versatility, the CPC Deluxe HD is a telescope that will serve you well for years to come, no matter what you choose to do with the hobby—including astroimaging.

Built with Imaging in Mind

Most altazimuth telescopes are designed primarily for visual use, but not the CPC Deluxe HD. It offers all the same high-end features you'll find on our German equatorial mounts. Out of the box, your CPC Deluxe can track accurately for up to 30 seconds without adding a wedge, thanks to a reengineered drive train with a 6-inch brass gear, stainless steel worm gear, and both steel

and nylon ball bearings.

If you'll be doing longer exposure astrophotography, adding the HD Pro Wedge turns this telescope into an astroimager's dream setup. With a wedge, you can take advantage of the All Star Polar Alignment procedure, which has you polar aligned in just minutes. You can also train your mount to be even more accurate with Permanently Programmable Periodic Error Correction. Finally, your CPC tracks smoothly through the meridian without doing a meridian flip, enabling you to capture objects in the best part of the night sky.

Specifications	<p>OPTICAL TUBE INFO:</p> <p>Optical Design: EdgeHD</p> <p>Aperture: 235mm (9.25")</p> <p>Focal Length: 2350mm (93")</p> <p>Focal Ratio: f10</p> <p>Focal Length of Eyepiece 1: 23mm (0.91")</p> <p>Magnification of Eyepiece 1: 102x</p> <p>Finderscope: 50mm (1.97") Finderscope with quick release bracket</p> <p>Star Diagonal: 2" with 1.25" adapter</p> <p>Optical Tube: Aluminum</p> <p>Highest Useful Magnification: 555x</p> <p>Lowest Useful Magnification: 34x</p> <p>Limiting Stellar Magnitude: 14.4</p> <p>Resolution (Rayleigh): 0.59 arc seconds</p> <p>Resolution (Dawes): 0.49 arc seconds</p> <p>Light Gathering Power (Compared to human eye): 1127x</p> <p>Secondary Mirror Obstruction: 85mm (3.35")</p> <p>Secondary Mirror Obstruction by Diameter: 36%</p> <p>Secondary Mirror Obstruction by Area: 13%</p> <p>Optical Coatings: StarBright XLT</p> <p>Optical Tube Length: 558mm (22")</p> <p>Optical Tube Diameter: 271.8mm (10.7")</p> <p>Optical Tube Weight: 58 lbs (26.3 kg) with mount</p> <p>Dovetail: None</p> <p>MOUNT INFO:</p> <p>Mount Type: Computerized Altitude-Azimuth Dual Fork Arm</p> <p>Height adjustment range (includes mount and tripod): 1397mm - 1778mm (55" - 70")</p> <p>Trippod leg diameter: 50.8mm (2") Stainless Steel</p> <p>Mount Head Weight: 58 lbs (26.3 kg) with optical tube</p> <p>Accessory Tray: Yes</p> <p>Trippod Weight: 19 lbs (8.6 kg)</p> <p>Slew Speed: 9 slow speeds - max speed 5"/second</p> <p>Tracking Rates: Sidereal, Solar and Lunar</p> <p>Tracking Modes: Altazimuth, EQ North and EQ South</p> <p>GPS: Internal 16 channel</p> <p>Dovetail Compatibility: none</p> <p>Number of Auxiliary Ports: 2 AUX Ports (Hand Control can use any of the AUX Ports)</p> <p>Autoguider Port: Yes</p> <p>USB Port: Yes, on hand control</p> <p>Power Requirements: 12 VDC 1.5A (1P positive)</p> <p>Motor Drive: DC servo motors</p> <p>Alignment Procedures: Sky Align, Auto Two-Star Align, Two-Star Align, Solar System Align, EQ North Align and EQ South Align</p> <p>Periodic Error Correction: Yes</p> <p>Computerized Hand Control: 2 line x 18 character backlit Liquid Crystal Display, 19 LED backlit buttons, USB 2.0 Port for PC connection</p> <p>NextStar+ Database: 40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects</p> <p>Software: Celestron Starry Night Special Edition Software and SkyPortal App</p> <p>Total Telescope Kit Weight: 77 lbs (34.9 kg)</p> <p>Included Items: Optical tube Mount and Trippod Accessory Tray 23mm Eyepiece 2" Star Diagonal with 1.25" adapter 50mm f10 Finderscope with bracket Instruction Manual</p> <p>Solar Warning: <ul style="list-style-type: none"> • Never look directly at the Sun with the naked eye or with an optic (unless you have the proper solar filter). Permanent and irreversible eye damage may result. • Never use your optic to project an image of the Sun onto any surface. Internal heat build-up can damage the optic and any accessories attached to it. • Never leave your optic unattended. Make sure an adult who is familiar with the correct operating procedures is with your optic at all times, especially when children are present. </p>
----------------	---