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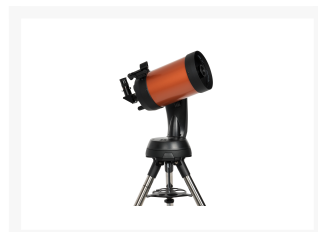
Opening Hours  
  
10am-5:30pm Mon-Fri  
9am-2pm Sat

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## Celestron NexStar 6SE Computerized Telescope

**AUD**  
**\$1,799.00**

### Product Images



### Short Description

- Celestron's iconic "orange tube" design is updated with all the latest features to provide the best stargazing experience for beginners and experienced observers alike.
- 6-inch aperture with excellent light-gathering ability provides impressive views of the Moon and planets, along with deep sky objects like the Orion Nebula, while retaining a compact form factor.
- Fully automated GoTo mount with database of 40,000+ celestial objects automatically locates and tracks objects for you.
- SkyAlign technology gets your telescope aligned and ready to observe in minutes. Even if you're unfamiliar with the night sky, you can easily align your telescope on any three bright objects.
- Unique single fork arm design and sturdy steel tripod all break down into separate components for easy transport and quick assembly.

**NOTE:** The recommended solar filters for this scope for solar observing are;

- the Orion 185 mm (7.17") Glass Solar Filter (Product No. 125081)

- the Meade Glass White Light Solar Filter 172 - 180 mm (Product No. 125918).

## Description

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Celestron's signature orange-tube telescope combines advanced features and excellent optics in one easy-to-use system, the NexStar 6SE. It's the perfect choice for your first serious telescope, offering striking views at an economical price.

### OUR FOUNDER'S VISION, REIMAGINED FOR THE 21<sup>ST</sup> CENTURY

In the 1970s, Celestron's Schmidt-Cassegrain telescopes brought the hobby of astronomy to the masses and established Celestron as the world's premier telescope maker. Our founder, Tom Johnson, invented Celestron's proprietary method of producing Schmidt corrector plates for superior views and maximum portability. Johnson believed in creating high-quality optical instruments at an affordable price, and inspired a generation of amateur astronomers.

Four decades later, we've improved upon this design by adding cutting-edge features, while staying true to our founder's intent.

### VIEW THE UNIVERSE'S MOST IMPRESSIVE CELESTIAL OBJECTS

The 6SE's six-inch primary mirror packs enough light-gathering ability to observe the best that the solar system has to offer: Cassini's Division in Saturn's rings, the cloud bands on Jupiter, and geographic features on the surface of the Moon. When it comes to deep sky objects, take your 6SE to a dark-sky site and you'll see hundreds of pinpoint stars in the Hercules Globular Cluster, the spiral arms of the Whirlpool Galaxy, and more.

### REVOLUTIONARY SINGLE FORK ARM MOUNT

We know the best telescope is the one you will use most often. That's why Celestron's engineers created NexStar SE's unique, patented single fork arm mount. It's perfectly portable and makes setup quick and easy. What's more, the NexStar SE breaks down into several lightweight and compact pieces, making it easy to transport, even in small vehicles. You'll have no problem getting the NexStar SE to your favorite observing site, or setting it up quickly in your backyard.

Of course, it's what's inside the mount that really counts. Sturdy construction from high-quality components give NexStar SE the pointing and tracking accuracy needed to observe and follow your favorite targets with push-button ease. Use the included NexStar+ hand control to locate over 40,000 celestial objects, or take a Sky Tour and let your telescope show you the best objects currently visible.

Aligning your telescope is simple and painless, too, thanks to SkyAlign. This process makes alignment as easy as 1-2-3: just center three bright objects in your eyepiece and press ALIGN. For even easier alignment, attach our StarSense AutoAlign and your NexStar SE aligns itself!

### ADVANCED FEATURES LET THE NEXSTAR SE GROW WITH YOU

The NexStar SE is compatible with all the high-tech accessories advanced users love. Provide GPS coordinates to your telescope with SkySync, or add automatic alignment functionality with StarSense AutoAlign.

For planetary imaging, pair your NexStar 6SE with one of our Skyris cameras. Or, experiment with wide-field deep sky astroimaging by replacing the telescope's secondary mirror with a DSLR or astronomical CCD camera with a Fastar/HyperStar lens assembly. From your first observing session and for years to come, the NexStar SE is your trusted companion.

Specifications	Optical Tube Info:	
	Optical Design	Schmidt-Cassegrain
	Aperture (mm)	150 mm (5.91 in)
	Focal Length	1500 mm (59 in)
	Focal Ratio	10
	Focal Length of Eyepiece 1 (mm)	25 mm (0.98 in)
	Magnification of Eyepiece 1	60 x
	Finderscope	StarPointer
	Star Diagonal	1.25"
	Mount Info:	
	Mount Type	Single Fork Arm Altazimuth
	Tripod	Steel leg
	Power Requirements	8-AA batteries (not included)
	Highest Useful Magnification	354 x
	Lowest Useful Magnification	21 x
	Limiting Stellar Magnitude	13.4
	Resolution (Rayleigh)	0.93 arc seconds
	Resolution (Dawes)	0.77 arc seconds
	Light Gathering Power (Compared to human eye)	459 x
	Apparent Field of View	0.83 °
	Linear Field of View (@1000 yds)	44 ft (13 m)
	Secondary Mirror Obstruction	2.2 in (56 mm)
	Secondary Mirror Obstruction by Diameter	37%
	Secondary Mirror Obstruction by Area	14%
	Optical Coatings	StarBright XLT
	Optical Tube Length	16 in (406 mm)
	Total Telescope Kit Weight	21 lbs (9.53 kg)
	Slew Speeds	Nine slew speeds
	Tracking Rates	Sidereal, Solar and Lunar
	Tracking Modes	Alt-Az, EQ North & EQ South
	Alignment Procedures	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, Solar System Align
	Communication Ports	RS-232 communication port on hand control, Aux
	Computer Hand Control	Double line, 16 character Liquid Crystal Display with 19 fiber optic backlit LED buttons
	Database	40,000 objects, 200 user defined programmable objects. Enhanced information on over 200 objects
	Warranty	2-year Telescope Warranty