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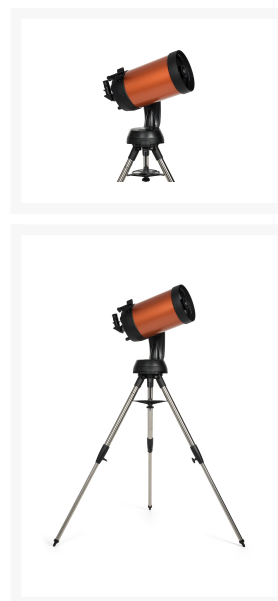
Opening Hours
10am-5:30pm Mon-Fri
9am-2pm Sat

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Celestron NexStar 8SE Computerized Telescope

AUD
\$2,949.00

Product Images



Short Description

- The world's most beloved telescope! The classic, 8-inch Schmidt-Cassegrain revolutionized amateur astronomy in the 1970s. Now, the iconic "orange tube" design is updated with all the latest features to provide the best stargazing experience for beginners and experienced observers alike.
- Large, 8-inch aperture with excellent light-gathering ability provides spectacular views of the Moon and planets, along with deep sky objects like the Whirlpool Galaxy and Hercules Globular Cluster.
- 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 filter for this scope for solar observing is the Astrozap Glass Solar Filter (Product No. 124451)*

Description

Celestron's signature orange-tube telescope combines advanced features and excellent optics in one easy-to-use system, the NexStar 8SE. It's the perfect choice for your first serious telescope, offering impressive views at an economical price.

Our Founder's Vision, Reimagined for the 21st Century

In the 1970s, the classic Celestron 8 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.

Big Mirror, Small Price

With a full 8 inches of aperture, the 8SE reveals details in even the faintest celestial objects. With this much light-gathering ability, you'll clearly observe Cassini's Division in Saturn's rings, the cloud bands on Jupiter, and the Great Red Spot. Beyond the solar system, your 8SE will show you hundreds of pinpoint stars in the Hercules Globular Cluster, the spiral arms of the Whirlpool Galaxy, and more. And don't forget the Moon—you'll see craters and geographic features like never before.

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 pushbutton 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. Control your telescope using your iPhone or iPad with our SkyQ Link, or add GPS functionality with SkySync.

If you're interested in astroimaging, the NexStar SE is Fastar-compatible for ultra-fast, wide field imaging. For planetary imaging, there's no better choice than a NexStar 8SE paired with one of our Skyris cameras. From your first observing session and for years to come, the NexStar SE is your trusted companion.

Additional Information

Specifications

Alignment Procedures	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, Solar System Align
Aperture (mm)	203.2 mm (8 in)
Apparent Field of View	0.63 "
Communication Ports	Intergrated RS-232 communication port to USB B on hand control, Autoguider port, Aux port
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
Finderscope	StarPointer
Focal Length	2032 mm (80 in)
Focal Length of Eyepiece 1 ...	25 mm (0.98 in)
Focal Ratio	10
Highest Useful Magnification	480 x
Light Gathering Power (Comp...	843 x
Limiting Stellar Magnitude	14
Linear Field of View (@1000...	33 ft (10 m)
Lowest Useful Magnification	29 x
Magnification of Eyepiece 1	81 x
Mount Info:	N.A.
Mount Type	Single Fork Arm Altazimuth
Optical Coatings	Starbright XLT
Optical Design	Schmidt-Cassegrain
Optical Tube Info:	N.A.
Optical Tube Length	17 in (432 mm)
Power Requirements	8-AA batteries (not included)
Resolution (Dawes)	0.57 arc seconds
Resolution (Rayleigh)	0.69 arc seconds
Secondary Mirror Obstructio...	9.77%
Secondary Mirror Obstruction	2.5 in (64 mm)
Slew Speeds	Nine slew speeds
Star Diagonal	1.25"
Total Telescope Kit Weight	33 lbs (15 kg)
Tracking Modes	Alt-Az, EQ North & EQ South
Tracking Rates	Sidereal, Solar and Lunar
Tripod	Steel (sku 93593)
Tripod Weight	9 lbs (4.08 kg)
Warranty	2-year Telescope Warranty