



NexStar SE Models	11049 NexStar 4 SE	11036 NexStar 5 SE	11068 NexStar 6 SE	11069 NexStar 8 SE
Specifications				
Optical Design	4" (102mm) Maksutov	5" (125mm) Schmidt-Cassegrain	6" (150mm) Schmidt-Cassegrain	8" (203mm) Schmidt-Cassegrain
Focal Length	1325mm F/13	1250mm F/10	1500mm F/10	2032mm F/10
Optical Coatings	StarBright® XLT	StarBright® XLT	StarBright® XLT	StarBright® XLT
Optical Tube	Aluminum, metallic orange	Aluminum, metallic orange	Aluminum, metallic orange	Aluminum, metallic orange
Mount	Single fork arm, altazimuth	Single fork arm, altazimuth	Single fork arm, altazimuth	Single fork arm, altazimuth
Dovetail	Quick release tube clamp	Quick release tube clamp	Quick release tube clamp	Quick release tube clamp
Hand Control	Computerized	Computerized	Computerized	Computerized
Standard Accessories				
Eyepiece (mm)	25mm E-Lux (53x)	25mm E-Lux (50x)	25mm E-Lux (60x)	25mm E-Lux (81x)
Finderscope	StarPointer	StarPointer	StarPointer	StarPointer
Diagonal	Internal flip mirror for straight thru or 90° viewing angle	Star diagonal, 1.25"	Star diagonal, 1.25"	Star diagonal, 1.25"
Tripod	Pre-assembled steel with built-in wedge	Pre-assembled steel with built-in wedge	Pre-assembled steel	Pre-assembled steel
Included Software	NexRemote™ & The Sky L1	NexRemote™ & The Sky L1	NexRemote™ & The Sky L1	NexRemote™ & The Sky L1
Software Features	Camera control	Camera control	N/A	N/A
Camera Shutter Cable	Yes	Yes	No	No
Power Supply	8-AA batteries (user supplied)	8-AA batteries (user supplied)	8-AA batteries (user supplied)	8-AA batteries (user supplied)
Technical Specifications				
Highest Useful Magnification	240x	300x	354x	480x
Limiting Stellar Magnitude	12.5	13	13.4	14
Resolution: Rayleigh (arc sec)	1.36 arc seconds	1.1 arc seconds	.92 arc seconds	.68 arc seconds
Dawes Limit (arc sec)	1.14 arc seconds	.91 arc seconds	.77 arc seconds	.57 arc seconds
Light Gathering Power	212x unaided eye	329x unaided eye	459x unaided eye	843x unaided eye
Field of View (degrees)	1°	1°	.83°	.63°
Linear FOV (ft@1000 yds)	52.5 ft.	52.5 ft.	43.8 ft.	33 ft.
Optical Tube Length	13.5 inches	11 inches	16 inches	17 inches
Telescope Weight	11 lbs	17.6 lbs	21 lbs	24 lbs
Tripod Weight	10 lbs	10 lbs	9 lbs	9 lbs
Computer Control Specifications				
Computerized Hand Control	Double line 16 character, liquid crystal display; 19 LED backlit buttons	Double line 16 character, liquid crystal display; 19 LED backlit buttons	Double line 16 character, liquid crystal display; 19 LED backlit buttons	Double line 16 character, liquid crystal display; 19 LED backlit buttons
Database	40,000 Object, 400 user defined programmable objects, enhanced information on over 200 objects	40,000 Object, 400 user defined programmable objects, enhanced information on over 200 objects	40,000+ Object, 400 user defined programmable objects, enhanced information on over 200 objects	40,000+ Object, 400 user defined programmable objects, enhanced information on over 200 objects
Slew Speeds	Variable rate, nine speeds	Variable rate, nine speeds	Variable rate, nine speeds	Variable rate, nine speeds
Ports	RS-232, Aux, Camera Control	RS-232, Aux, Camera Control	RS-232, Aux	RS-232, Aux
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	Alt-Az, EQ North & EQ South	Alt-Az, EQ North & EQ South	Alt-Az, EQ North & EQ South	Alt-Az, EQ North & EQ South
GPS Compatible	CN-16 GPS accessory	CN-16 GPS accessory	CN-16 GPS accessory	CN-16 GPS accessory
Alignment Procedures	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, Solar System Align	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, Solar System Align	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, Solar System Align	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, Solar System Align

For more information visit www.celestron.com/se. Specifications are subject to change without notice or obligation.

General Accessories For The NexStar SE Series



Eyepiece and Filter Kit
 • 5 Plössl Eyepieces
 • Barlow Lens - 2x
 • 6 Eyepiece Filters
 • Moon Filter
 • Aluminum Carrying Case
Model #94303



PowerTank 7
 Now you can take your telescope anywhere with this portable rechargeable power supply.
Model #18774



NexImage Kit
 NexImage is a complete CCD solar system imager capable of producing high quality planetary images.
Model #93712



Stereo Binocular Viewer
 View with both eyes simultaneously by adapting two eyepieces to your telescope.
Model #93691



Vibration Suppression Pads
 When placed under tripod legs, VSP's reduce vibration time by almost 100% for steady viewing.
Model #93503



Night Vision Flashlight
 Uses two red LEDs to preserve night vision better than red filters or other devices. Brightness is adjustable.
Model #93588

SE Series Telescopes



- 4" Maksutov-Cassegrain
- 5" Schmidt-Cassegrain
- 6" Schmidt-Cassegrain
- 8" Schmidt-Cassegrain



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NexStar® SE

www.celestron.com/se

Astronomy made simple.

Let a NexStar SE help you find thousands of stars, planets galaxies and more at the touch of a button!

In the tradition of Celestron's famous orange optical tubes, the new NexStar SE Family combines the classic heritage of the original orange tube telescopes with state-of-the-art features including a fully computerized operating system, flash upgradeable hand control, superior coatings, our revolutionary SkyAlign™ telescope alignment software and much more.

With the NexStar SE, you are in the driver's seat. Simply choose an object from the menu and the telescope will find it for you. Using our patented NexStar® technology, the SE scopes have the ability to locate nearly 40,000 objects. All you have to do is look through the eyepiece and enjoy the view!

Don't know what object to choose? Let the intelligent NexStar SE give you a guided tour of the night sky! The "Tour" feature offers a customized list of the best objects in the sky to view for your exact time and location anywhere in the world!

Not only can your NexStar SE find objects, it can teach you about them as well. Information on the most popular objects can be viewed in the LCD screen of your hand control.

Whether you are a seasoned astronomer looking for a portable scope with advanced features, or just starting your astronomy adventure and looking for an easy way to enjoy the night sky, a NexStar SE will help you take a closer look.

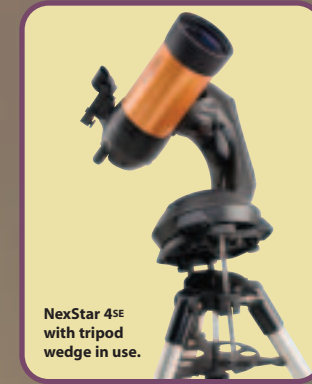
Celestron's Revolutionary SkyAlign™

The days of complicated telescope assembly and setup are over. NexStar SE telescopes can be set up in a matter of minutes with no tools required!

Using Celestron's patented SkyAlign, simply input the date, time and location into the hand control then point the telescope at any three bright celestial objects and the telescope does the rest. You do not need to know the names of the stars, you can even pick the moon or bright planets.



Align your NexStar SE telescope in minutes with our new SkyAlign technology. Just point the telescope at three bright stars and let the computer do the rest. You don't even need to know the names of the stars!



NexStar 4SE with tripod wedge in use.

Exclusive Features Of The NexStar 4SE & 5SE

- Tripod features built-in wedge which allow them to be used for astrophotography!
- Includes a camera control feature that allows you to remotely take a series of timed exposures using your digital SLR camera.

NexStar 4SE

NexStar 5SE

NexStar 6SE

NexStar 8SE

NexStar SE Key Features:

- Computerized hand control with nearly 40,000 object database & motorized altazimuth mount
- Quick release optical tube for easy no-tool setup
- StarBright® XLT enhanced coatings for maximum light transmission and clarity
- SkyAlign™ allows you to align on any three bright objects, for a fast & easy alignment process
- StarPointer finderscope to help with alignment and accurately locating objects
- Flash upgradeable hand control; update your telescope's operating software via the internet
- Internal battery compartment to prevent cord wrap during use
- Includes NexRemote™ telescope control software, for advanced control of your telescope via computer
- "THE SKY™" Planetarium software – with 10,000 object database, printable sky maps & enhanced images

NexStar SE Key Specifications:

Item #	Model	Aperture	Optical Design	Focal Length	Eyepieces	Finderscope	Mount	Weight
11049	NexStar 4SE	4" (102mm)	Maksutov-Cassegrain	1325mm f/13	25mm (53x)	StarPointer™	Altazimuth	21 lbs.
11036	NexStar 5SE	5" (125mm)	Schmidt-Cassegrain	1250mm f/10	25mm (50x)	StarPointer™	Altazimuth	28 lbs.
11068	NexStar 6SE	6" (150mm)	Schmidt-Cassegrain	1500mm f/10	25mm (60x)	StarPointer™	Altazimuth	30 lbs.
11069	NexStar 8SE	8" (203mm)	Schmidt-Cassegrain	2032mm f/10	25mm (81x)	StarPointer™	Altazimuth	33 lbs.