

NexStar 130 SLT



Item no:31145

[Read an in-depth review of the Celestron NexStar 130 SLT](#) by Ian Morison, Jodrell Bank Observatory

The popularity of our NexStar 114 models inspired us to go bigger! We are proud to introduce NexStar 130 SLT. The NexStar 130 SLT has 30% more light-gathering power than our 114mm telescope.

And the 130 SLT, like the other models in the SLT Series, comes with a fully computerized hand control. The computerized hand control gives you the ability to automatically slew to any of its 4,000+ objects, including over 600 galaxies, 300 clusters and dozens of beautiful binary stars. With its pre-assembled, adjustable steel tripod, the NexStar 114 SLT can be up and ready to use in a matter of minutes. Our new SkyAlign alignment technology and the included StarPointer Finderscope with a red LED makes aligning a breeze.

View the details of the lunar surface, the rings of Saturn, the polar ice caps on Mars, the cloud belts on Jupiter or a number of the Messier objects such as the globular cluster in Hercules (M13), or the Great Nebula in Orion (M42). Begin to explore some of the fainter Messier objects using the additional light-gathering capabilities of the 130 SLT's 5" primary mirror.

Because of the Newtonian design, the mirror gives fully color-corrected views that are best suited for astronomical use.

The key advantages over similar looking telescopes:

- Compatible with Celestron's [StarSense AutoAlign](#) for completely automatic set-up on the night sky
- NEXSTAR + handset
- Internal battery compartment - no external corded battery pack
- SkyQ Wifi link compatible
- SkyAlign - the simplest, fastest & most beginner friendly alignment method available on any computerised telescope.
- Four additional alignments including 1 star align and solar system align
- Auxiliary port for additional accessories (GPS module, SkyQ WiFi link)
- PC control software INCLUDED (NSOL disc)
- Sky Maps CD-ROM INCLUDED (The Sky disc)
- GPS module compatible

- User friendly StarPointer red-dot finderscope
- Compatible with Celestron's NexRemote for advanced PC control

GENERAL DETAILS:

- Compatible with 2" eyepieces
- High quality 130mm reflector
- Fully computerized altazimuth mount
- StarPointer finderscope to help with alignment and accurately locating objects
- Quick-release fork arm mount, optical tube and accessory tray for quick no tool set up
- Sturdy stainless steel tripod and accessory tray included
- Includes CD-ROM "The Sky" Astronomy Software which provides education about the sky and printable sky maps
- Proven NexStar computer control technology
- Database allows telescope to locate over 4,000 celestial objects
- SkyAlign allows you to align on any three bright celestial objects, making for a fast and easy alignment process
- Flash upgradeable hand control software and motor control units for downloading product updates over the Internet
- Internal battery compartment to prevent cord wrap during use
- Auxiliary port for additional accessories such as SkySync GPS Accessory (93969)
- Includes NSOL telescope control software for basic control of your telescope via computer (with optional RS-232 cable)
- Compatible with optional NexRemote telescope control software, for advanced control of your telescope via computer

SPECIFICATIONS:

Optical Design: Newtonian Reflector

Aperture (mm): 130 mm (5.12 in)

Focal Length: 650 mm (26 in)

Focal Ratio: 5

Focal Length of Eyepiece 1 (mm): 25 mm (0.98 in)

Magnification of Eyepiece 1: 26 x

Focal Length of Eyepiece 2 (mm): 9 mm (0.35 in)

Magnification of Eyepiece 2: 72 x

Finderscope: StarPointer

Mount Type: Motorized Altazimuth

Accessory Tray: No Tool, Quick release

Tripod: Steel

Highest Useful Magnification: 307 x

Lowest Useful Magnification: 19 x

Limiting Stellar Magnitude: 13.1

Resolution (Rayleigh): 1.07 arc seconds

Resolution (Dawes): 0.89 arc seconds

Light Gathering Power (Compared to human eye): 345 x

Apparent Field of View: 1.7 °

Linear Field of View (@1000 yds): 91 ft (28 m)

Secondary Mirror Obstruction: 1.7 in (43 mm)

Secondary Mirror Obstruction by Diameter: 33%

Secondary Mirror Obstruction by Area: 11%

Optical Coatings:

Aluminum

Slew Speeds: Nine slew speeds

Tracking Rates: Sidereal, Solar and Lunar

Tracking Modes: Alt-Az, EQ North and EQ South

Alignment Procedures: SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, Solar System Align

Computer Hand Control: Fully Computerized / Flash Upgradeable

GPS: Optional SkySync GPS Accessory (93969)

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



Recommended Accessories



Advanced VX 6 Newtonian

£0.00



114 LCM Computerised

Telescope

£0.00



PowerTank (7ah) , 12V Power

Supply

£0.00



SkyQ Link WiFi Adapter

£0.00



SkySync GPS Accessory
£0.00



NexGuide Autoguider
£0.00



StarSense AutoAlign
£0.00



SkyPortal Wi-Fi Module for iOS
and Android
£0.00



Omni 1.25 in - 2x Barlow Lens
£0.00



Omni Series 1.25 in - 6mm
£0.00



Eyepiece & Filter Kit 1.25 in
£0.00



NexImage 5 Solar System
Imager (5MP)
£0.00



NexImage Solar System Imager
£0.00