



Clifton Cameras Product Specification

Celestron NexStar 127SLT Computerized Telescope Full Spec

Optical Tube Info:

Optical Design: Maksutov-Cassegrain

Aperture: 127mm (5")

Focal Length: 1500mm (59")

Focal Ratio: f/12

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

Magnification of Eyepiece 1: 60x

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

Magnification of Eyepiece 2: 167x

Finderscope: StarPointer™ red dot finderscope

Star Diagonal: 1.25

Optical Tube: Aluminum

Highest Useful Magnification: 300x

Lowest Useful Magnification: 18x

Limiting Stellar Magnitude: 13

Resolution (Rayleigh): 1.1 arc seconds

Resolution (Dawes): 0.91 arc seconds

Light Gathering Power (Compared to human eye): 329x

Optical Coatings: Fully Coated

Optical Tube Length: TBD

Optical Tube Diameter: TBD

Optical Tube Weight: TBD



Dovetail: CG-5 Dovetail bar

Mount Info:

Mount Type: Computerized Altitude-Azimuth Single Fork Arm

Instrument load capacity: 8 lbs (3.6 kg)

Height adjustment range (includes mount and tripod): 762mm - 1270mm (30" - 50")

Tripod Leg Diameter: 31.75mm (1.25") Stainless steel

Mount Head Weight: 5 lbs (2.3kg)

Accessory Tray: Yes

Tripod Weight: 5 lbs (2.3kg)

Slew Speeds: 9 slew speeds - max speed 3°/second

Tracking Rates: Sidereal, Solar and Lunar

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

GPS: N/A

Dovetail Compatibility: CG-5 saddle plate

Number of Auxiliary Ports: 1x AUX Port | 1x hand control Port (hand control can use either Port)

Autoguide Port: No

USB Port: Yes, Input on hand control

Power Requirements: 12 VDC - 8xAA Batteries (not included)

Motor Drive: DC Servo Motor

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

Periodic Error Correction: No

Computerized Hand Control: 1 Hand Control Port and 1 AUX Port

NexStar+ Database: Over 40,000 including 220 of the best deep sky and solar system objects

Software: Celestron Starry Night Special Edition Software | SkyPortal App

Total Kit Weight: TBD



Included Items: Optical Tube | Single Fork Arm Mount and Tripod | Accessory Tray | NexStar+ Hand Control | 20mm and 9mm eyepiece | StarPointer™ red dot finderscope | Star Diagonal

Solar Warning

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 unsupervised. Make sure an adult who is familiar with the correct operating procedures is with your optic at all times, especially when children are present.