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Celestron NexStar 6SE is a high quality telescope in the Schmidt-Cassegrain design with an active diameter of 150 mm (6"), ideal for visual observations and very good for astrophotography. The quality of the obtained planetary images is not inferior to apochromats. is coated with patented StarBright XLT coatings. The NexStar 6SE telescope is equipped with the GoTo system with a pre-set base of almost 40000 astronomical objects. The set includes a steel field tripod. OFFERED TELESCOPIC LETS START OBSERVATIONS ON THE FIRST WEATHER - INCLUDES ALL NECESSARY ACCESSORIES FULLY USE THE POSSIBILITY OF TELESCOPE BUY TO BUY 2-3 GOOD CLASSES GLASSES

Technical parameters

- Optical system: Schmidt-Cassegrain
- Aperture: 150 mm
- Coatings: StarBright XLT
- Focal mirror: F = 1500 mm
- Lighted: 1/10
- Useful magnification: 20 - 300x
- Switching capacity: 0.8"
- Star range: 13,5mag
- Mounting type: azimuth (you can buy a parallax wedge)
- Power supply: 8xAA (12V, "fingers" batteries); can be powered from a cigarette lighter, PowerTank or a suitable DC power supply
- Secondary mirror construction: 55.9 mm
- Secondary mirror construction in relation to the lens diameter: 37%
- Secondary mirror construction in relation to the surface area of the collecting lens: 14%
- Optical tube material: aluminum
- Length of the optical tube: 40.5 cm
- Mounting the optical tube to the tripod: integrated dovetail
- Total weight: 9.5 kg
- Usage: Moon, the planet, star clusters, nebulae, PC control
- Equipment: Okular: SPL 25 mm, Angle prismatic 45°, StarBright XLT coatings
- Drive in two axes controlled by a remote control with a base of 38181 objects
- StarPointer finder
- Software on CD: NexRemote V1.6.14 & The Sky L1

Search and tracking system parameters

- computer manual control: display with two command lines - 16 characters, liquid crystal display, backlit buttons
- tracking speeds: 4°/sec, 2°/sec, 1°/sec, 64x, 16x, 8x, 4x, 1x, 0.5x
- tracking modes: Alt-Az, EQ North, EQ South (an essential paracidal wedge for EQ modes)
- alignment procedures: SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, SolarSystem Align
- accuracy of the software: 24bit, 0.08 arcsec
- communication port: RS-232, Aux port, Camera Control
- tracking frequency: stellar, solar, lunar
- Warranty: 2 years (complete set - telescope on assembly) (the telescope was placed on a height-adjustable field tripod) (Schmidt-Cassegrain system optics $f = 1500$ mm, with StarBright XLT layers) (one-arm assembly GOTO ALT-AZ, assembly can be equipped with a parallax wedge) (in the set, eyepiece and angular connector) (remote control to control the telescope) (power supply - 12 V, 8 x AA "sticks") (StarPointer collimator finder) (internal focusing system for the main mirror)

Pictures taken with this telescope (Author: MSn) (Moon - Aristotle and Eudoxus) (Moon - Clavius) (Moon - click to enlarge) (Moon - Copernicus) (Księżyc - Plato) (Gray moon light - click to enlarge) (Gray moon light - click to enlarge) (M42 - click to enlarge) (M57) (M81) (Mars) (Saturn) (Sun and spots - click to enlarge) (Venus) (Venus transit 6 June 2012 - click to enlarge) (Venus transit 6 June 2012 - click to enlarge)

Warning! This device focuses a lot of light. Looking directly at the sun through this device can result in partial or complete loss of vision. For the observation of the Sun, we recommend the safest method of spectacle projection, that is, projecting the image of the target of our day star on a piece of paper.

READ : A SHORT OPTICAL CLEANER GUIDE  [PDF] READ TO: HOW TO CONNECT COMPACT WITH TELESCOPIC  [PDF] READ TO: HOW TO JOIN THE DIGITAL MALE WITH A TELESCOPIC  [PDF] >> FREQUENTLY ASKED QUESTIONS <<

Question : Will the beginner handle the submission and operation of this telescope? Answer: For each telescope we provide a comprehensive instruction in Polish, from which the user will learn how to assemble a telescope and how to use it during observation. Customers usually do not have any problems with submitting the telescope if they only read the instructions. A separate issue is searching for objects in the sky during the first observations. That is why we recommend educational items in the Publications section (especially maps and astronomical guides) and Stellarium: an excellent, free "planetarium" program in Polish, ideal for studying the sky and planning observations.

ENJD- AND DOWNLOAD THE STELLARIUM PROGRAM FOR FREE

Question : Can a digital SLR be connected to this telescope? What accessories are needed for this? Answer: Of course, YES, you can connect a DSLR to that and any other telescope. What you need for this is: a projection connector and a T2 ring that is specific to your DSLR (there are 5 standards for DSLRs: Canon EOS, Nikon, Olympus E, Petax K and Sony Alfa / Minolta AF). These connectors are available in our online store in the astronomical accessories department.

Question : Can a compact camera be connected to this telescope? What accessories are needed for this? Answer: Of course you can. A suitable shelf for compact cameras can be loaded in the department of astronomical accessories in our online store (universal adapter for compact digital cameras).

Question : Can the HYBREY camera (large compact camera and SLR camera) be connected to this telescope? What accessories are needed for this? Answer: You can make such attempts, but this is not recommended. So-called hybrids do not work well in astrophotography, because they do not have the ability to remove the lens like a SLR camera, but they have large sizes and large lenses, which makes the shelf systems ineligible, and the vignetting is large, because you can not bring the lens closer to the last optical surface of the telescope's eyepiece. We recommend buying a SLR or cheap compact.

Question : What else is worth buying for this telescope? Answer: The presented telescope is a complete set ready to conduct astronomical observations on the first clear night. As an addition, we recommend educational publications in the first place, which will make using both the telescope and the observations themselves more conscious and simpler. In addition, it is worth considering the purchase of contrastive planetary filters and foils for the solar filter (available in the astronomical accessories department).

Question : Can this telescope be used as a spotting scope / telescope for nature? Answer: Yes, the Maksutov (MAK) telescope offered by the telescope after using the angled connector (included in the set) gives an uninverted, terrestrial image. Thanks to this, this telescope can be used as a good-looking observation telescope. The Maksutov construction is practically devoid of chromatic aberration, and at the same time closed, very compact and compact (so easy to transport), known for many years from highly-regarded photographic telephoto mirrors of various brands.

Question : Can I observe both planets and nebulae through this telescope? Is this a telescope only to the city or just to the countryside? Answer: All offered telescopes allow you to observe planets of the solar system (all) and nebulae, or more precisely galaxies, star clusters, emission nebulae etc. A separate issue is the clarity of planet surface details and the number and brightness of nebular objects. The smaller telescope has its own sky, large - its own, but we can always count on great observations of the surface structure of the Moon, Mercury and Venus, Mars shield, Jupiter

belts and Jupiter's Galilean four moons, Saturn's ring and Uranus and Neptune shields. The nebular nebulae, such as the Andromeda M31 Great Nebula, the Orion Nebula M42, or the globular cluster in M13, always delight, even a small telescope will reveal several dozen of the most beautiful nebulae. In the end, the telescope after equipping it with a solar filter can be used to observe spots on the Sun's target. There is no division into telescopes to the city and, on the other hand, recommendations are more: if the telescope is used mainly in the city, in the conditions of pollution with urban light and high instability of the atmosphere (buildings emit heat at night, warming up the air and the image begin to "float" like in hot days over a hot road!), then the achromatic refractor (lens telescope) or Maksutov (meniscus - mirror) is recommended. Our goal will be mainly planets and compact objects. In turn, in the black, rural sky, it is worth to use the Newton's (mirror) telescope with the largest possible mirror for us, because we can count on a more stable and more transparent atmosphere and great opportunities to observe nebulae. Question : Does this telescope have a tripod / assembly included? Answer: Of course YES, each telescope has an assembly, unless it is described as OTA (Optical Tube Assembly).