

# teleskopy.pl



The combination of great optics, reliable and simple to use GOTO system and reliable mechanics while maintaining a low weight - these are the features of the Orion StarSeeker IV series telescopes. StarSeeker telescopes are a stable azimuthal assembly with the GO-TO SynScan search and tracking system. There are more than 42,000 astronomical objects in the base of the pilot's control - and the encoders tracking the position of the telescope allow you to manually change the position of the telescope without losing positioning relative to the stars. The assembly head has a built-in compartment of 8 AA batteries of 1.5 V batteries, thanks to which the telescope can operate away from the 230 V mains. Of course, you can also connect the 230 V mains adapter (available separately). The StarSeeker IV installation is applicable not only to observational astronomy but also to simple astrophotography and time-lapse photography. The StarSeeker IV series includes several types of optical instruments: achromatic refractor 80 mm Maksutow-Cassegrain 102, 127, 150 mm Newton's headlights 114, 130, 150 mm Newton's optical system (mirror) Due to the high brightness of the telescope, we particularly recommend observation of nebular objects. This model will also be useful when observing planetary objects as well as craters of the Moon. The main advantage of this telescope is a large 150 mm parabolic mirror, which is the most important element of the telescope, which determines what and how we can observe. This telescope collects over 450 times more light than people eye in the night, providing the opportunity to observe objects up to more than 13 stellar magnitude. The size of the mirror is also associated with the optical resolution, which in this telescope allows the separation of stars that are distant from each other no less than 0.77".

**Eyeglass extractor** The telescope is equipped with a spectacle lens that allows the use of 1.25" glasses. Two aspherical eyepieces with a field of view of 62° are included in the set.

**Astrophotography** The StarSeeker 150 Newton telescope is the first telescope that can be successfully used in astrophotography, thanks to a simple azimuthal assembly with a computerized drive in both axes, which has sufficient capacity to support the Newton's optical tube f/5 and digital SLR camera body. The T-2 thread has a T-2 thread to connect the optional T-ring and the SLR body.

**Observation possibilities** Solar system objects on the surface of the moon with dimensions larger than 1-2 km; sunspots and their structure, photosphere granulation visible; all planets of the Solar System; Mercury's and Venus's phases; Mars shield, polar caps in periods of opposition; several zones of Jupiter belts and Galilean moons; the rings of Saturn with Cassini's interbreeding, the belt in the atmosphere and several smaller moons of the planet; Uranus and Neptune visible as stars of a clearly blue color; the asteroid movement against the stars; observations of many weaker comets, visible structure of brighter comets star about 2.7 million stars across the sky, double and multiple stars separated from each other angularly at more than 0.9", the color of many stars Nebular objects all Messier directory objects; hundreds of globular clusters, partly broken down into individual stars in many cases; hundreds of open clusters with many visible differences in construction; tens of tens of nebulae, with the first details, rich details of bright nebulae; tens of galaxies with slightly visible details of the structures, shape and angular position of the disks; visible structure and construction of many planetary nebulae; visible supernova remnants

**Ground observations** The Newton's telescope is not intended for ground observation, however, you can straighten the image - for this purpose you should use the so-called a straightening lens that turns the image into a natural (straight).

**OFFERED TELESCOPIC LETS START OBSERVATIONS ON THE FIRST WEATHER - INCLUDES ALL NECESSARY ACCESSORIES**

**Usage** Moon the planet clusters nebulae PC control Technical parameters achromatic optical system: Newton's reflector 150 mm lens diameter achromatic focal length: 750 mm achromatic luminous: f/5 achromatic optical quality: diffraction-limited achromatic resolution: 0.77 seconds of arc achromatic minimal useful magnification: 21x achromatic maximum useful magnification: 300x achromatic star range: 13.5 mag achromatic assembly: steel tripod = 31.75 mm, azimuthal GOTO head (tracking, searching, 42900 objects in the base) achromatic tracking speed: solar, lunar, stellar achromatic power supply: 8x AA (1.5V, battery compartment built into the head) or 12V DC achromatic mounting of the tube for assembly: standard dovetail in the Vixen standard achromatic dual encoder system allows manual movement of the assembly without "losing" the assembly position achromatic destiny: observation and photographing of planets, observation of brighter nebular objects achromatic focusing system: 1.25", Rack-and-pinion achromatic allows connection of accessories: 1.25" achromatic optical tube length: 61.5 cm achromatic weight of the optical tube: 3.8 kg achromatic total weight of the telescope ready for observation: 10.1 kg

**Elements of the set** achromatic telescope achromatic folding steel stand achromatic StarSeeker IV achromatic aspherical eyepiece 60° 1,25" 10 mm (magnification 75x) achromatic aspherical eyepiece 60° 1,25" 23 mm (magnification 33x) achromatic 5x24 EZ Finder II hybrid optical and projection finder achromatic SynScan AZ V4 remote control achromatic RJ-RS232 cable achromatic table-spacer Warranty 1 year

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