

# teleskopy.pl



Astronomical observations have never been so easy and accessible to everyone as now, thanks to the new Sky-Watcher Star Discovery telescope line! Star Discovery telescopes are intended for beginners who are lost in a variety of telescope models looking for their dream equipment:  $\hat{\text{€}}$  lighter than others  $\hat{\text{€}}$  the fastest one to submit  $\hat{\text{€}}$  the simplest to use  $\hat{\text{€}}$  more modern than others  $\hat{\text{€}}$  reliable first astronomical observations in science Such are the Star Discovery telescopes. Their stable, azimuthal mounting on a steel, sliding stand is concealed by the modern GO-TO SynScan system. Using the remote control included in the kit, it allows tracking and tracking of more than 42,000 objects in the sky! What's more, the dual axle encoder system allows the telescope to be moved manually without losing the telescope's orientation to the stars. The mounting head has a basket for 8 batteries / rechargeable batteries, thanks to which the telescope can operate wirelessly. This opens up great opportunities for observation away from buildings, for example during a car trip under dark, starry sky outside the city. It is also an ideal proposition for the organizers of sky shows, popularizer of astronomy, teachers. Nothing prevents you from going on a night escapade with the new Star Discovery telescope. Express assembly / disassembly of the optical tube and folding the tripod is done by means of single knobs and lasts 3 minutes. Tripod tripods, including the tube, fit into any car and are easy to move and put together by 1 person The adjustable clutch of the elevation axis enables smooth and light control of the telescope, even at the zenith. The right quality of the finder-scope or red-dot (depending on the model) lets you quickly see which part of the sky is the found object. Impress your friends with the sky by showing them in the Star Discovery telescope! The installation of Star Discovery telescopes is not just astronomical equipment. Simply remove the telescope and mount the DSLR with the lens to enter the world of astrophotography, time-lapse photography and videofilmowania. This assembly offers the functionality of Virtuoso mounting - it allows you to trigger the shutter of digital cameras (via a suitable cable available outside the set), is battery-powered and has a similar accessory mounting system on the L-adapter (dovetail). The Star Discovery series includes several types of optical instruments:  $\hat{\text{€}}$  achromatic refractor 102/500 mm  $\hat{\text{€}}$  Maksutov-Cassegrain 127/1500 mm  $\hat{\text{€}}$  Newton's 130/650 mm parabolic reflector  $\hat{\text{€}}$  Newton's 150/750 mm parabolic reflector Maksutov optical system (mirror-meniscus) The Maksutov optical system is one of the most valued optical constructions, widely appreciated for its mobility, ease of use and multi-functionality. It is an excellent choice of both astronomical observations, as well as earth observations and aircraft observations. Excellent optics provide an extremely sharp image throughout the field of view. The telescope consists of the meniscus correction board, the main mirror and the secondary mirror placed on the inner part of the meniscus. These telescopes have a reduced coma and show only a substantial chromatic aberration, giving very sharp and expressive images. A great advantage of the Maksutov telescopes is the compact and compact design and light weight. Due to their large focal length and low light, they are perfectly suitable for planetary observations. This type of construction works well in urban environments, where the main emphasis is on solar system objects, not on nebulae. Eyeglass extractor The telescope is equipped with a spectacle hood that allows the use of 1.25 "glasses, two 20 mm and 10 mm glasses are included in the set. Astrophotography The telescope can be successfully used to photograph the moon, planets and bright deep sky objects. Ground observations The Maksutov system telescope is well-suited for observations of terrestrial objects, especially at long distances, as well as for observation and photographing of aircraft at high altitudes. OFFERED TELESCOPIC LETS START OBSERVATIONS ON THE FIRST WEATHER - INCLUDES ALL NECESSARY ACCESSORIES Usage Moon the planet clusters nebulae PC control Technical parameters  $\hat{\text{€}}$  Optical system: Maksutov-Cassegrain  $\hat{\text{€}}$  Lens diameter: 127 mm  $\hat{\text{€}}$  Focal length of the lens: 1500 mm  $\hat{\text{€}}$  Lighted: 1 / 11.8  $\hat{\text{€}}$  Theoretical range: 13.2 magnitudes  $\hat{\text{€}}$  Maximum useful magnification: 260x  $\hat{\text{€}}$  Tripod: steel  $\hat{\text{€}}$  Installation: azimuth with GOTO, SynScan AZ  $\hat{\text{€}}$  Finder: optical, 6x30  $\hat{\text{€}}$  Eyeglass extractor: 1.25 " Elements of the set  $\hat{\text{€}}$  telescope  $\hat{\text{€}}$  folding steel stand  $\hat{\text{€}}$  Star Discovery GT  $\hat{\text{€}}$  1.25 "20 mm and 10 mm glasses Angle connector 90 ° 1,25 "  $\hat{\text{€}}$  6x30 optical finder  $\hat{\text{€}}$  SynScan AZ V4 remote control  $\hat{\text{€}}$  RJ-RS232 cable  $\hat{\text{€}}$  table-spacer Warranty 3 years warranty for mechanics, 2 years for electronics

Â

Â

Â

Â

Â

Â

Â

READ : A SHORT OPTICAL CLEANER GUIDE > 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 found in the section 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 reflex camera or a 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 telescope through an angle connector gives a terrestrial image, not reversed. 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 surface details of the planets 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, heating up the air and the image begin to "float" like in hot days over a hot road!), then an 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 as we can afford, because we can count on a more stable and more transparent atmosphere and great opportunities for observing the 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 ). Question : You write that the telescope is assembled, does it mean that you are coming and you will assemble the telescope for me? Answer: Mounting does not mean mounting, but the telescope tube mounting system. It must be understood that we never conduct observations "by the hand" with the astronomical telescope - we must mount the telescope on the system enabling its precise positioning in any region of the sky. In the case of azimuthal assembly, the tube is moved in two axes - azimuth ("left - right") and height ("top - bottom"). Please do not worry - it's not difficult, although the names at the beginning may seem exotic. In addition, the assembly is equipped with stepper motors to move the telescope and the GOTO object search system, which greatly simplifies working under the starry sky the very first night.