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The Sky-Watcher Dobson 10 "telescope is a powerful telescope for an advanced sky observer - an excellent tool for visual observation of deep sky objects. This telescope is ideal for observing nebular objects as well as open, spherical clusters and a number of beautiful galaxies. It should be remembered that within the range of the telescope are also all planets of the solar system, but moreover, many of their moons. The telescope also performs well with observations of our natural satellite, though here due to the Quantity On ? lying ?wiat³a fall into a nearly full moon should use a filter, preferably a neutral gray (neutral density). A large, slightly over 25 centimeter mirror collects over 1300 times more light than the human eye, compared to the popular Synta 8 "(203 mm) we have a gain of 56% in the ability to collect light. The mirror is made of Pyrex glass, ie boron-silicon glass consisting of 8% boron oxide and 85% silicon oxide. It is the admixture of boron oxide that makes the mirror slightly lighter and, above all, has a lower coefficient of thermal expansion, which positively affects the quality of the images obtained. Of course, although the size of the mirror is important, the telescope is also very well designed and retrofitted. Focal length 1200 mm, giving a huge light f / 4.7, an excellent 2 inch Crayford lift with a reduction to 1.25 ", a large 9x50 finder, two 25mm and 10mm Ploessl glasses and an intuitively simple Dobson's azimuthal assembly The extractor has a T-2 thread for attaching a reflex camera allowing us to photograph bright objects (appropriate proper reduction to your camera is required, i.e. Canon, Nikon, Sony Alpha, Pentax or Olympus). Dobson's assembly is the simplest and the cheapest type of telescope assembly, which works very well in visual observations. Control of the assembly takes place by manually moving it in two axes, in the azimuthal (horizontal) plane and in the vertical (height) axis. The telescope consists of an optical tube with dimensions of 113x28 cm and a weight of 12.5 kg, as well as an azimuthal assembly weighing 12.5 kg. The telescope is originally packed in two cardboard boxes and is collimated and prepared for observation after assembling the assembly. Telescope produced by the well-known Synta factory - manufacturer of, among others brands such as Celestron, SkyWatcher, Omegon, Orion, Spinor Optics, Pentaflex and others. OFFERED TELESCOPIC LINKS TO START OBSERVATIONS IN THE FIRST FRONTIGHT OF NIGHT - INCLUDES ALL NECESSARY ACCESSORIES, OPTICAL OPTICAL TUBE OPTION, SET WITH GLASSES AND DOOR INSTALLATION Usage Moon the planet star clusters nebulae planes Technical parameters â€¢ Optical system: Newton's headlamp â€¢ Diameter of the mirror: 254 mm â€¢ Focal length of the lens: 1200 mm â€¢ Lighted: 1 / 4.7 â€¢ Accuracy of the mirror's performance: 1 / 8? â€¢ Mirror glass type: Pyrex â€¢ Maximum useful magnification: 500x â€¢ Transport dimensions (original packaging): 125 x 51 x 46 cm (tube, 18 kg) + 67 x 76 x 12 cm (assembly, 15 kg) â€¢ Weight: 30 kg (telescope ready for work) Equipment The set includes the following accessories: â€¢ Crayford focuser 2 "with 1.25" reduction and T2 thread â€¢ PL 25 mm (over 48x) and 10 mm (over 120x) glasses â€¢ Dobson's assembly (azimuthal) â€¢ 9x50 finder with a cross Warranty 3 years 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. ADDITIONAL MATERIALS READ : BEFORE BUYING TELESKOP - GUIDE FOR BUYERS [PDF] READ : A SHORT OPTICAL CLEANER GUIDE [PDF] READ : HOW TO GET A COMPACT WITH A TELESCOPIC [PDF] PLEASE READ : HOW TO GIVE A DIGITAL MULTIPLE TELESCOPE [PDF] PHOTOS PERFORMED WITH THIS TELESCOPIC (Moon, click to enlarge) (photos from the producer's website: www.skywatchertelescope.com) >> 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 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: NO. This mirror telescope (Newton) is not suitable for observing terrestrial objects, because it gives an inverted image up - down ("green down") and there are no optically good ways to "restore" it. However, this does not interfere with astronomical observations, because for the Earth's observer the concept of top and bottom makes sense on Earth, in space it does not exist. In contrast, Newton's telescopes are quite well suited to the photography of ground-based objects and aircraft observations at cruising altitudes. 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). 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 Dobson's assembly , the optical tube of the telescope is mounted on the type of the box, performing the role of azimuthal assembly , i.e. having two perpendicular axes: height ("up - down") and azimuthal axis ("left - right"). Question : I see that this telescope is quite low. How / in what position is observed? Answer: Dobson's telescopes on the Dobson mount have a spectacle lift - so the place where we look / "put an eye on" - often relatively low, especially when the diameter of the mirror does not exceed 35 centimeters. Nevertheless, the observation is possible in a standing position, and the most comfortable is the sitting position - for this purpose it is worthwhile to purchase a height-adjustable stool or even a folding fishing chair. The lying position is rather not practiced: -)