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NexStar Evolution is the most advanced line of Celestron telescopes, addressed to enthusiasts of night observations. Nexstar Evolution telescopes have received a completely new alt-az assembly with new engines with higher precision than in the classic "Nexstarach" and worm gears on both axes. The large comfortable detention knobs allow the engines to be decoupled and the telescope to be manually rotated to preset the sky and for day observations. The built-in lightweight lithium-ion battery, very efficient also in winter conditions, allows you to work in the field for 10 hours, without connecting the power supply and relieves the trouble of tangled cables. You can add seamless cooperation with the Starsense AutoAlign system. The biggest novelty in the new version of Nexstar Evolution, however, is the revolutionary way to control the telescope - wirelessly, via WiFi! Everything is done using a smartphone with the appropriate software, supplied by Celestron with a telescope. The software is rich in multimedia and allows you to realistically represent the sky at any time. The curiosities also include a table illuminated in red for accessories. This table holds 3 1.25 "eyepieces, 1 2" eyepiece and space for various small accessories, and interestingly - it can also be used when the tripod legs are partially unfolded. Characteristics of the Evolution series â€¢ Built-in WiFi - the telescope does not require a classic GoTo controller on a cable. Just install the included software on your smartphone or tablet to operate the telescope via a wireless network. â€¢ Free Celestron software - allows you to get a realistic picture of the sky for a given moment, also has many advanced options - among others, it allows you to predict moments of visibility of the Great Red Spot on Jupiter, determines moon transits and for other objects - moments of towering, conjunctions, sunrise and sunset. The program prompts the observer the most interesting nebular objects. In addition, many of the objects have extensive descriptions illustrated with beautiful photos. â€¢ Long-life internal Lithium-Ion battery - charged with an external charger. The battery guarantees 10h of continuous operation. â€¢ Precision gearboxes and modified engines - allow for high steering precision. Worm gears were used both in the azimuth axis and in the height axis, which allows minimizing backlash. This is a great improvement over the currently produced SE series â€¢ SkyAlign - a simple method of setting the telescope based on three bright stars not the sky. â€¢ NexStar + controller included - although the telescope can be operated via WiFi for full functionality, the NexStar + controller typically used in Celestron telescopes has also been added â€¢ Improved tripod - all tripod elements are made of metal, which significantly improves the load capacity and stability of the structure. Several markers have been marked on the tripod legs to allow easy leveling for different heights â€¢ Quick folding and unfolding - all elements are screwed with comfortable screws with large handles. The telescope can be folded without using any tools in a very short time. â€¢ 4 AUX ports - AUX ports allow you to connect additional devices for mounting Evolution. In particular, such a port can be useful for connecting the StarSense system enabling automatic setting â€¢ Power supply included - the telescope has a universal power supply enabling operation at various supply voltages and with different types of plugs. Power supply parameters: 12V 2.1A â€¢ Accessories table - allows you to attach 3 1.25 "eyepieces, 1 2" eyepiece as well as other accessories. The table does not have to be removed when folding the tripod legs. Technical parameters â€¢ Optical system: Schmidt-Cassegrain â€¢ Lens diameter: 235 mm â€¢ Coatings: StarBright XLT â€¢ Focal mirrors: F = 2350 mm â€¢ Lighted up by: 1/10 â€¢ Useful zooms: 34 - 450 â€¢ Glasses included: 40 mm (over 59x) and 13 mm (over 180x) â€¢ Other accessories: 90 ° mirror cap, star-pointer finder (collimator) â€¢ Resolution: 0.57 " â€¢ Star range: 15.3 magnitude â€¢ Mounting type: azimuth alt-az with the GOTO system â€¢ Tripod: steel, with shelf for accessories â€¢ Power supply: Power supply: built-in Li-Ion battery, charging via USB port, 12 V mains adapter (included) â€¢ Secondary mirror obstruction: 85 mm â€¢ Optical tube material: aluminum â€¢ Length of optical tube: 56 cm â€¢ Attaching the optical tube to the tripod: integrated dovetail â€¢ Wi-Fi control YES (embedded network) â€¢ Communication ports 1 pilot port, three AUX ports â€¢ Object database: over 120,000 â€¢ Field tripod: steel with 2 "leg diameter, with shelf for accessories â€¢ Tube weight: 9 kg â€¢ Head weight: 7 kg â€¢ Weight of the field tripod: 12.7 kg â€¢ Total weight: 29 kg Usage Moon the planet star clusters nebulae control from PC Warranty 3 years for mechanics, 2 years for electronics (below photos of the 8 "version) Warning! This device focuses a large amount of light. Looking directly at the sun through this device may result in partial or complete blindness. For observing the Sun, we recommend the safest method of eyepiece projection, i.e. projecting the image of the shield of our day star on a sheet of paper. READ : A SHORT OPTICAL CLEANING GUIDE <img src="https://teleskopy.pl/pdf/tis/icon_download.gif" [PDF] READ : HOW TO CONNECT YOUR COMPACT CAMERA WITH TELESCOPIC <img src="https://teleskopy.pl/pdf/tis/icon_download.gif" [PDF] READ : HOW TO CONNECT YOUR DIGITAL SLR TO TELESCOPIC <img src="https://teleskopy.pl/pdf/tis/icon_download.gif" [PDF]