

# teleskopy.pl



Telescope of the Schmidt-Cassegrain system with a diameter of 23.5 cm (9.25"), a telescope of the Schmidt-Cassegrain system with a large aperture. Despite its 23.5-cm diameter, the telescope is still compact and its usability. The diameter is high enough to see many nebular objects as well as for very effective and efficient observation of the solar system planets, thanks to the image with high contrast and resolution. After fitting the T-Adapter and the T-Ring, the tube can be used. The telescope of the Schmidt system is a device with universal light and a relatively large focal length. The great advantage of such a telescope is the possibility of extending the focus beyond the tube, which allows the use of elements with a large optical path - binocular sockets, filter wheels, flip-mirror caps, focal length reducers, etc. The tube is mounted on the new Celestron Advanced VX paralytic assembly. The VX mount is equipped with the GoTo system, it is suitable for learning the fundamentals of astrophotography and allows you to hang a wide range of optical tubes of various types. This assembly contains some elements known from the CGEM model, some of the CG5 GT as well as some new solutions. Compared to CG5GT, the engines have been changed - they are high-speed engines, better suited for larger loads. The assembly was equipped with the option of reducing the periodic error with the recording of the PPEC characteristics. Autoguider can be used to correct the guidance, the head has a typical ST-4 socket. From the mechanical side, the easiest way is to adjust the polar axis using a large comfortable screw - similar to the CGEM assembly. The whole is made ergonomically, it can be quickly and easily distributed into transport components. From the electronic side, the heart of the system is GoTo NexStar+. This driver is an improved version of the NexStar known from previous versions. In particular, it is worth noting the immunity of the display to low temperatures. The new driver is also more ergonomic and intuitive to use. The capacity of the new assembly is 13.5 kg (without counterweights).

Technical parameters

Optical tube

- Lens diameter: 235 mm
- focal length: 2350 mm
- lighted: f / 10
- maximum useful magnification: 555 times
- minimal useful magnification: 34 times
- optical system: Schmidt Cassegrain
- star range: 14.4 magnitudes
- tube length: 559 mm
- resolution: 0.69"
- finder: 6x30
- material: aluminum
- weight: 13.5 kg

Assembly

- counterweights: 1 x 5.4 kg
- length of counterbalance bar: 30 cm
- size of the counterweight bar: 19 mm

Tripod

- material: steel
- weight: 15,5 kg (tripod with tripod)

Drive

- controller: NexStar+ with LCD display
- facilities database: 40,000+ objects in the database
- speed: 9 speeds, maximum 4° per second
- motors: constant-current motors with encoders
- power supply: 12 V 3.5 A
- driving modes: EQ North, EQ South, Off
- running speed: stellar, lunar, solar
- available ports: 2x AUX, Autoguider, RS-232 (on the controller)
- GPS: optional available
- PEC: yes, with storage (PPEC)
- latitude: from 7 to 77 degrees
- internal clock: yes
- RA / DEC wheels: no

Glasses

- diameter: 23.5 mm (1.25")
- magnification: 94 times

Weight : 28 kg