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A powerful set for highly advanced visual observations and high-level astrophotography. The optical tube with a parabolic mirror with a diameter of 254mm made of Pyrex - a great tool for highly advanced visual observations and astrophotography at the highest level. Great parameters of resolution and star range make it the perfect equipment for demanding observers. The catalog of observable objects includes: caps on Mars, Great Red Spot and Jupiter's moon transits, Saturn ring with Cassini and Encke break, all Messier objects and hundreds of galaxies, clusters and NGC / IC nebulae. A complete tube with clamps, a 2" / 1.25" extractor and a very good 9x50 finder. SynScan EQ-6 PRO GOTO parallax assembly, the best montage for advanced astrophotography in a reasonable budget. SynScan EQ6 PRO GOTO parallax assembly is a precise instrument capable of working under heavy load, available at a very favorable price. The assembly works well for visual observations as well as for short non-guided exposures using CCD cameras with most conventional telescopes. It easily cooperates with refractors with an aperture up to 200mm (8") and Newtons with an aperture up to 12-14". The installation has a white finish and weighs with a counterweight of 26.5 kg. The total load is estimated at 24 kg. The EQ6 assembly head has engraved aluminum adjusting rings and a scale of latitude. In addition, it is equipped with a polar scope and its mounting, level indicator, solid locking clamps in the RA and DEC axes, a drive mounted in both axes and an extending counterbalance rod with counterweights. The set includes two counterweights, each weighing 5.4 kg. The tripod is based on a two-inch diameter legs made of stainless steel profiles, thus guaranteeing maximum stability of the entire system. Adjusting the height of the tripod with the EQ6 mounting is possible from 1069 mm in the lowest setting up to 1544 mm in the highest setting when the tripod legs are maximally distributed. The height of the mount itself (without a tripod) EQ6 is 406 mm. Mounting the optical tube for assembly is possible with the "dovetail" mounting rail available in the Celestron offer or other manufacturers of astronomical equipment. The GoTo SynScan remote control is a full and extended version that allows tracking and finding objects in the sky. The SynScan remote control provides three tracking speeds: stellar, lunar, solar objects in Dual Axis (RA) modes, RA (RA axis). The following alignment procedures are available: One-star Alignment, Two-star Alignment, Three-star Alignment. The database contains 25 definable objects by the user, as well as a full database of Messier, NGC and IC objects (13,436 objects in total). The pilot has also been programmed to easily find planets or the moon. Among its advanced features, it is worth paying attention to the mode of minimizing vibrations during long exposure shooting and software error correction periodic (PEC) as well as PC ports to control the telescope using a computer (RS-232 port) and Auto-Guide to precise alignment during photography with a tracking camera. Usage Moon the planet nebulae astrophotography PC control Technical parameters of the optical tube

- Optical construction: Newton telescope
- Main mirror: parabolic
- Diameter of the main mirror: 254mm
- Focal length: 1200
- light: f / 4.7
- Secondary mirror: elliptic, 58mm
- Maximum usable magnification: 500x
- Theoretical range: 14.7 magnitudes
- Theoretical resolving power: 0.46 "
- Weight: 15kg
- Dimensions: 29 x 29 x 112 [cm]

Technical parameters of assembly

- power supply: 12 VDC 2Amp
- drive type: 1.8 ° stepper
- resolution: 0.144 of a second arc
- travel speeds: 2X, 8X, 16X, 32X, 64X, 400X, 500X, 600X, 800X
- Gear Ratio: 705
- Tracking speed: star, moon, solar
- Dual Axis tracking mode (biaxial), RA (right ascension)
- alignment procedures: One-star Alignment, Two-star Alignment, Three-star Alignment (ie the procedure for setting one, two or three stars)
- database: 25 definable objects by the user, full database of Messier, NGC and IC objects (total of 13436 objects)
- minimizing vibration when shooting with a long exposure time
- programmable PE correction (periodic error)
- PC port to control the telescope using a computer (RS-232 port)
- Auto-Guide port for precise alignment during photography using a professional camera
- assembly type: parallax German
- assembly of the optical tube: clamps (rings)
- microcaps: RA & Dec (controlled by the drive)
- tripod: 2" steel
- tripod height: 85-147 cm
- tripod weight: 7.5 kg
- Counterbalance rod diameter: 1.8 cm
- material for the counterbalance rod: stainless steel
- assembly weight without counterweights: 16.3 kg
- assembly weight with counterweights: 26.5 kg
- mounting height: 41 cm
- counterweight: 2 x 5.1 kg
- maximum load: approx. 24 kg

Equipment included

- 2" focuser with reduction to 1.25"
- Wide eyepieces 28mm / 2"
- Target scope 9x50
- Tube and dovetail clamps
- SkyWatcher SynScan EQ-6 PRO GOTO parallax mount on a height adjustable steel tripod
- Warranty 2 years

Additional photos of the set (complete optical tube mounted on a parallax assembly with GOTO) (excellent assembly mechanics - EQ-6 head dedicated to astrophotography on a steel tripod with a leg diameter of 2 inches) (secondary mirror mounted on a thin spider to minimize diffraction phenomena on this element) (the tube is fixed by 2 clamps and a standard dovetail rail) (fixing the secondary mirror on a thin spider to reduce diffraction) (Crayford's 2" extractor, a simple 9x50 finder with a cross) (Pyrex mirror in the frame adjustable for collimation of the optical system) Additional SynScan EQ-6 PRO mounting photos (parallax assembly: head with engines and GOTO search system set on a steel field tripod) (polar field) (SynScan remote control) (cables included: for communication with the RS-232 computer and power supply for the cigarette lighter)