

Sky-Watcher StarGate 20in Go-To Dobsonian Telescope

**AUD
\$12,599.00**

Product Images



Short Description

Sky-Watcher StarGate Dobsonians with their huge light gathering capabilities provide the ultimate WOW factor experience for aficionados of visual astronomy, delivering outstanding performance on both Planetary and Deep-Sky objects

Description

PRODUCT FEATURES

Sky-Watcher StarGate Dobsonians with their huge light gathering capabilities provide the ultimate WOW factor experience for aficionados of visual astronomy, delivering outstanding performance on both Planetary and Deep-Sky objects. Now it comes with Sky-Watcher's signature SynScan Goto function which will make your observation experience more magical. The elegant and rigid all-metal truss tube design is easily transportable when unassembled, and can be assembled and ready for use in about 20 minutes. The mount provides motorised operation in both Alt and Azimuth axes, and can slew the telescope automatically, and track over 42,900-night sky objects from the Synscan handset's extensive computerised database. Features Freedom-Find™ Dual-Encoder technology, which also allows the telescope to be moved manually in either axis without losing its alignment or positional information, giving the user enormous convenience and flexibility during observing sessions. Simply push the telescope close to the object and let the computer do the rest of the work!

PARABOLIC PRIMARY MIRRORS

Features High-Quality Parabolic Primary Mirrors to eliminate spherical aberrations inherent in 'fast' focal length reflectors with spherical primary mirrors. The mirrors are parabolized to bring all the light rays to the same focal point to give sharp, contrasty images, which are full of detail.

SKY-WATCHER DELUXE MIRROR COATINGS

Most reflectors today usually have a coat of aluminum as the mirror surface and then an overcoat of silicon monoxide or silicon dioxide to protect it. Silicon dioxide produces a much more durable coat than silicon monoxide but requires specialized equipment to apply it and is, therefore, more expensive. Protection is needed, because, in most reflectors, the mirror is open to the elements and deterioration of the reflective layer reduces the resolution of the telescope. ALL Sky-Watcher reflectors are Multi-Coated with Silicon Dioxide as a standard for Optimum Durability and Long Term Performance.

Specifications

- **Magnifications (with Eyepieces supplied): x71 & x200**
- **Highest Practical Power (Potential): x1016**
- **Diameter of Primary Mirror: 508mm**
- **Telescope Focal Length: 2000mm (f/4)**
- **Eyepieces Supplied: 10mm (1.25") & 28mm (2")**
- **Collimating Eyepiece (1.25")**
- **Dual-Speed 2" Crayford Focuser with 1.25" adaptor**
- **Parabolic Primary Mirror (Patented weight saving design)**
- **136mm Secondary Mirror**
- **9x50 Finderscope**
- **Direct SLR Camera Connection**
- **Fabric Light Shroud**
- **Alt-Azimuth Go-To mount (Metal construction)**
- **Transmission: Worm + Timing Belt + 64 Micro-step/0.9° Stepper Motor Drive**
- **Patented 'Freedom-Find' Dual-Encoder design allows manual movement without losing positional information**
- **Pointing Accuracy: Up to 5 arc-minutes (RMS)**
- **Gear Ratio: Azimuth 400, Altitude 1523.796**
- **Synscan Computerised Handset with 42,900+ Object Database**
- **Power requirement: DC11V/5A ~ 15V/3A**
- **61% more Light Gathering than 400mm**
- **Overall Weight 90kg**