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## saxon 8 Inch HEQ5 Astrophotography Newtonian Bundle

**AUD**  
**\$2,499.00**

### Product Images



### Short Description

- 200mm aperture
- 1000mm focal length (F/5.0)
- 2" Dual Speed 10:1 focuser
- Easy-to-control heavy-duty mount
- Adjustable steel tripod with an accessory tray
- Fine adjustments of latitude and azimuth for precise polar alignment
- Bubble level for perfect levelling
- Aluminium setting circle dials allow for quick target acquisition via celestial coordinates
- Worm gear tracking controls provide full 360° manipulation of the RA and DEC axis

- Minimal vibrations

**NOTE:** This HEQ5 Pro mount comes with two 5.1 kg counterweights as standard.

With this optical tube installed the mount may require an additional 5.1 kg counterweight to balance this set up, depending on what is placed on the OTA.

## Description

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The **saxon 200DS Astrophotography Newtonian Telescope**



With an aperture of 200mm and focal length of 1000mm, this scope is great for prime-focus photography. Higher quality images can be achieved with the optional coma corrector.

The saxon 200DS Astrophotography Newtonian Telescope features the following:

- 200mm aperture
- 1000mm focal length (F/5.0)
- 2" Dual Speed 10:1 focuser
- 9x50 finderscope
- 2" LET 28mm eyepiece.
- 2" to 1.25" adapter



The **HEQ5 PRO Go-To Mount** represents the ultimate evolution of the EQ5 mount. With a mount head weight of 10 kg this professional mount is ideal to be carried anywhere in search of dark skies and solar eclipses. The integrated bubble level and the adjustable tripod legs make the levelling easy, the azimuth and altitude axis can be fine adjusted for a precise polar alignment. On top of that, the included polar scope included allows an extremely precise polar alignment that helps to drastically improve the quality of tracking, especially for astrophotography.

The exceptional SynScan Go-To system allows full control of both R.A. and Dec. axes with 9 slew speeds and 5 arcminute pointing precision, allowing you to quickly and accurately locate objects across the night sky. The Go-To system can automatically slew the telescope on command toward planets, stars, nebulae, galaxies, clusters and much more. The SynScan has 42,900 memorised celestial objects for an amazing journey in the night sky. The Deep Sky Tour function suggests a list of the most interesting deep sky objects currently visible, so even the novice astronomer can easily observe faint objects at the touch of a button.

The **HEQ5 Pro Mount with Steel Tripod** features and includes the following:

- A user friendly Synscan hand controller
- 2x 5.1Kg counter weights
- Wall-to-wall large accessory tray
- 1.75" stainless steel tripod legs
- Retractable counterweight shaft
- 1.8 degree step angle and 64 micro steps driven
- Motor resolution at 0.144arc sec (or 9.024,000 steps/rev.)
- Slew speeds from 2x, 8x, 18x, 32x, 64x, 400x, 500x, 600x, and up to 3.4°/sec (800X)
- Sidereal, Solar and Lunar tracking rates
- One, Two and Three star alignment options
- Auto guider interface for astrophotography
- Guiding speed from 0.25x, 0.50x, 0.75x, or 1x
- Minimal vibration for steady long-exposure astrophotography
- Payload Capacity 13.7Kg
- Positioning accuracy up to 1 arc minute. Accuracy enhanced by software collimation error (mount mechanical error) compensation
- Periodic error correction
- Firmware upgradeable via internet download
- PC Compatibility
- Car power supply adapter included

- Requires 11 to 15V DC 2A power supply (not included).

#### **SynScan Features:**

- Database with 42,900+ objects
- Messier, Caldwell, NGC, IC & SAO catalogues, Named Stars, Double Stars, Variable Stars, Named Stars
- One, Two and Three Stars or Brightest Star Alignment
- Autoguiding feature for astrophotography
- Pointing Accuracy Enhancement feature (PAE)
- Permanent Periodic Error Correction (PPEC)
- Unknown Object Identification feature
- Pointing accuracy up to 5 arc min
- Tracking rates: Sidereal, Lunar, Solar
- Slewing speeds: 1x, 2x, 16x, 32x, 64x, 128x, 400x, 500x, 600x, 800x (3.4°/sec)
- Motor type: DC Servo Motors

Specifications

Optical Tube Specifications

WARRANTY INFORMATION	5-Years Limited Warranty
OPTICAL DESIGN	Parabolic Newtonian Reflector
APERTURE	200mm
LOWEST PRACTICAL POWER	29x
HIGHEST PRACTICAL POWER	400x
FOCAL LENGTH	1000mm
FOCAL RATIO	F/5.0
EYEPIECES	2" LET 28mm
FINDERSCOPE	9x50
OPTICAL TUBE DIMENSIONS	240mm x 920mm
OPTICAL TUBE WEIGHT	8.75Kg
SHIPPING DIMENSIONS	106 x 40 x 46 cm3
SHIPPING WEIGHT	14 Kg

Mount Specifications

Mount Type	German Equatorial Go-To
Tripod Material	Steel
Telescope Mounting	Vixen Style
Payload	10kg
Mount Head Weight	10kg
Tripod Weight	5kg
Tripod Height	185-121cm
Counterweight Bar Diam.	18mm
Counterweight Bar Length	21.5cm
Power Supply	DC 12~16V - 3A
Pointing Accuracy	up to 5 arc. min.
Slewing Speed	up to 3.4°/sec (800X)
Guiding Speed	0.25X, 0.50X, 0.75X, or 1X
Motors Resolution	0.144 Arc. Sec.
Power Requirement	12 to 15V - 2A