



Sirius Optics
Unit 1
26 Darnick Street
Underwood, Qld 4119

Opening Hours
10am-5:30pm Mon-Fri
9am-2pm Sat

Phone: 07 3423 2355
www.sirius-optics.com.au

saxon 6 Inch HEQ5 Astrophotography Newtonian Bundle

AUD
\$2,449.00

Product Images



Short Description

- 150mm aperture
- 750mm 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

Description

The **saxon 150DS Astrophotography Newtonian Telescope**



With an aperture of 150mm and focal length of 750mm, this scope is great for prime-focus photography. Higher quality images can be achieved with the optional coma corrector.

The saxon 150DS Astrophotography Newtonian Telescope features the following:

- 150mm aperture
- 750mm focal length (F/5.0)
- 2" Dual Speed 10:1 focuser
- 6x30 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 weight
- 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
- Containing over 42,900 objects with complete Messier, NGC and IC Catalogues.
- 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

Optical Tube Specifications

WARRANTY INFORMATION	5-Years Limited Warranty
OPTICAL DESIGN	Parabolic Newtonian Reflector
APERTURE	150mm
LOWEST PRACTICAL POWER	22x
HIGHEST PRACTICAL POWER	300x
FOCAL LENGTH	750mm
FOCAL RATIO	F/5.0
EYEPIECES	2" LET 28mm
FINDERSCOPE	6x30
OPTICAL TUBE DIMENSIONS	182mm x 690mm
OPTICAL TUBE WEIGHT	6 Kg
SHIPPING DIMENSIONS	80 x 39 x 34 cm ³
SHIPPING WEIGHT	10 Kg

Specifications

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 Diameter	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