

## Sky-Watcher 12 inch SynScan GoTo Dobsonian

**AUD**  
**\$3,565.00**

### Product Images



### Short Description

Collapsible Dobsonian with 3-Points Tube Locking System  
No Disassembling or Collimation is required between uses  
Dobsonian Wooden Mount Accessory Tray  
Diffraction Limited Parabolic Mirror  
Ultra Thin Secondary Mirror Support (only 0.80 mm)  
Backed by 5 Years Sky-Watcher Limited Warranty

# Sky-Watcher 12" Collapsible Computerised Dobsonian Telescope

## THE ULTIMATE LIGHT GATHERER

The SkyWatcher Collapsible Go-To Dobsonian combines the great light gathering of the Dobsonian telescope with the convenience of the computerised system SynScan. Once the telescope is aligned, the Go-To system allows the user to slew the telescope toward planets, stars, nebulae, galaxies, clusters and much more. The SynScan has 42,900 celestial objects in its memory, allowing for an amazing journey in the night sky. The Deep Sky Tour function suggests a list of the most interesting deep sky objects so even the inexperienced astronomer can easily observe faint objects with a touch of a button.

The patented collapsible system is the ultimate in technology and portability and is ready for night sky action in seconds; the spring loaded system enables easy, single handed extension of the tube.

The Freedom Find technology (dual-encoder) allows the telescope to be moved manually whenever the user wishes, but without losing any of the pre-set alignment.

To top it off, the Sky-Watcher Collapsible Dobsonians are equipped with a 2" Crayford focuser and focuser locking screw.

## TOUR THE NIGHT SKY AT THE TOUCH OF A BUTTON

For amateur astronomers seeking superior equatorial control and the ease of a high-precision computerised Go-To telescope mounting system for imaging or visual applications, the family of SynScan™ Pro Series mountings are the answer. All SynScan™ Pro Series models are premium-grade observing platforms which have been thoughtfully designed for ease of operation. With the user-friendly push-button hand control, locating and viewing the treasures of the night sky becomes a walk in the park. The SynScan™ hand control allows you to point the telescope at a specific object or tour the skies at the touch of a button. The user friendly menu system allows automatic slewing to over 42,900 objects. Even an inexperienced astronomer can master its variety of features in a few observation sessions.

## COMMON FEATURES:

### **SynScan Computerised Handset**

Features include ongoing firmware updated from the internet. Pointing accuracy enhancement (PAE), and capacity to store star alignment data. Accepts GPS Mouse for convenient entry of time, date and location.

### **42,900+ Object Database**

Including planets, named stars, double-stars, variable stars & user defined objects.

### **Object Catalogues**

Messier, IC, NGC & Caldwell

Specifications

### Telescope Specifications:

Optical Design	Newtonian (Parabolic)
Diameter	305mm
Focal Length	1500mm
F/Ratio	F/4.9
Highest Practical Power	610x
Finder Scope	9X50
Focuser Diameter	2" crayford
Eye Piece	10mm and 25mm
Tube Weight	21kg
Tube Dimensions	450mmx(920-1400)mm
Shipping Weight	33 + 23kg
Shipping Dimensions	71x83x31cm <sup>3</sup> ; 106x54x55 cm <sup>3</sup>

### SynScan AZ hand control Specifications:

Power Supply: 10 to 15 V DC 1Amp, 2.1mm Plug (Center positive)  
Motor type: DC Servo Motors,  
Motor encoder: 1,620,000 counts per revolution,  
Main axis encoder: 11,748 counts per revolution  
Slew speeds: 1.0X, 2.0X, 8X, 16X, 32X, 200X, 400X, 600X, 800X, 1000X  
Tracking Rates: Sidereal, Lunar, Solar  
Tracking Mode: Dual Axes Tracking  
Alignment Method: Brightest-Star Alignment, Two-Star Alignment  
Database: 25 user defined objects. Complete M, NGC and IC catalog, partial SAO catalogues, total 42,900 objects  
Go-To Pointing Accuracy: Up to 5 arc min