



Sirius Optics
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Opening Hours

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

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Explore Scientific - Generation II - 10-inch Truss Tube Dobsonian Telescope

AUD
\$1,779.00

Product Images



Short Description

The Gen II Explore Scientific 10" Dob telescope is a beautiful piece of quality engineering.

From the ultra high quality 2" microfocuser to the unique and innovative collimating adjustments to the truss tube design and

awesome 1270mm focal length, this scope is the ideal scope for the intermediate astronomer.

If you are left handed then the design design of this scope is ideal for you.

Note: Sirius Optics recommends the use of Orion 1lb magnetic counterweights (Part number: 125130) with this scope.

Description

This is a Generation II telescope. No telescope type has changed the hobby quite as much as the Dobsonian Telescope. Before the popularization of John Dobson's altazimuth mount design with low center of gravity combined with a Newtonian optical assembly, the vast majority of amateur telescopes consisted of small telescopes with small mounts - which made them difficult to use for serious deep sky observations by beginners.

The ingenious combination of simple yet effective mechanisms with big-aperture Newtonian optics gives the Dobsonian Telescope worldwide popularity, and this telescope design typically offers the largest aperture per dollar of any telescope type. Disassembly of the scope without tools ensures a trouble-free transport of this great scope even in very small cars.

The entire structure has been optimized for maximum stiffness with minimal weight. The combination of large altitude bearings with optimized metal structural design allows fine and smooth adjustment, even at higher magnifications. The ideal workhorse for the deep sky observers.

A 254mm aperture mirror collects more than 1,500 times as much light as the naked eye. Details on planets and deep sky objects will be visible even for inexperienced observers. Many star clusters are resolved to the core, spiral structure in distant galaxies is visible, and the complex matrix of bright and dark nebulae are an unforgettable experience. Oversize altitude (16.5-inch) and azimuth (13-inch) bearings allow for smooth operation.

Easy-to-adjust collimation mechanisms for primary and secondary mirrors require no additional tools and only one person is a unique feature of this design.

Includes: Two-Speed 2-inch Rack & Pinion Focuser with 1.25-inch Adapter; Collimation Assist Tool; Flexible Light Weight Light Baffle; Two Primary Mirror Fans with Battery Pack; Instructions

Specifications	Item Number	DOB1045-00
	f/ratio	f/5
	Focal length	1,270 mm
	Primary mirror diameter	25.4 cm
	Secondary obstruction	24%
	Mirror cell support points	9
	Truss pole length	64 cm
	Truss pole diameter	20 mm
	Secondary cage assembly diameter	33 cm
	Secondary cage assembly weight	6.5 pounds
	Secondary cage assembly height	17 cm
	Mirror box/rocker box height	42 cm
	Mirror box weight *	35 pounds
	Height to center of eyepiece at zenith	119 cm
	Theoretical limiting stellar magnitude	0.46 arc sec
	Theoretical Rayleigh limit	0.54 arc sec
	Theoretical limiting magnitude	14.7
	Theoretical maximum magnification	500x
	*	Mirror weight can vary because of the manufacturing process; these values are approximate