



Sirius Optics
Unit 1
26 Darnick Street
Underwood, Qld 4119

Opening Hours

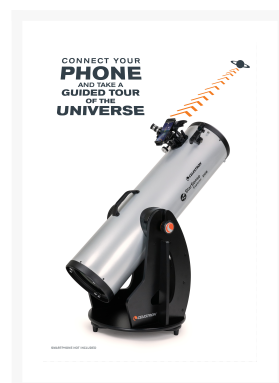
10am-5:30pm Mon-Fri
9am-2pm Sat

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Celestron StarSense Explorer 10 Inch Dobsonian

AUD
\$2,049.00

Product Images



Short Description

Celestron has reinvented the Dobsonian telescope with StarSense Explorer—the first Dobsonian that uses your smartphone to analyze the night sky and calculate its position in real-time.

Unleash the power of your smartphone to take you on a guided tour of the night

A sturdy, Dobsonian-style base with large diameter bearings and variable altitude tensioning makes it easy to follow the on-screen arrows on your smartphone to your desired target.

The Starsense telescope uses your smartphone as a navigation device only, not to take photos.

NOTE: *to protect your scope optics from dust, spiders and other little pesky bugs in storage, we recommend the Pegasus 10" Dust cover for the bottom of your scope. (Product Number 126686)*

Description

This large-aperture 10" Celestron StarSense Explorer is ideal for serious beginners, thanks to the app's user-friendly interface and detailed tutorials. It's like having your own personal tour guide of the night sky.

The large aperture will ensure that you won't outgrow the telescope as you continue on in your astronomical adventures. Dock, Launch, Explore Leave complicated star charts, imprecise planetarium apps, and computerized mounts behind.

With StarSense Explorer, locating objects has never been easier, faster, or more accurate. Within minutes of setting up the telescope, you'll be navigating the sky with confidence.

Simply place your phone in the unique StarSense dock and launch the StarSense Explorer app. After aligning your phone to the telescope's optics (a quick and easy procedure), StarSense Explorer generates a list of celestial objects currently visible. Make your selection and arrows appear on-screen, guiding you as you move the telescope. When the object is ready to view in the eyepiece, the bullseye turns green.

As you observe, listen to hundreds of audio descriptions and view detailed information about thousands of objects within the app's robust database. High-Quality Altazimuth Base An ultra-stable Dobsonian base provides a sturdy foundation for StarSense Explorer.

Compared to the StarSense Explorer DX 130 AZ, the 10" Dobsonian has 380+% more light gathering area, providing better views of faint objects. All mirror surfaces are coated with our XLT optical coatings to visibly increase contrast and light throughput for brighter views. With XLT, you'll be able to discern subtle details while viewing the Moon and planets, as well as faint galaxies and nebulae. The mirrors are made of low-expansion optical glass, which helps ensure the best images under changing environmental conditions.

Celestron StarSense Explorer works with most modern smartphones, including iPhone 6 and up, and most devices running Android 7.1.2 or later manufactured since 2016. StarSense Explorer uses patented technology and your smartphone to determine exactly where the telescope is pointed in the night sky. A Lost in Space Algorithm (LISA), like the ones satellites use in orbit to correctly orient themselves, helps the app match star patterns it detects overhead to its internal database.

Specifications	Optical Design:	Newtonian Reflector
	Aperture:	254mm (10")
	Focal Length:	1200mm (47.24")
	Focal Ratio:	f/4.7
	Focal Length of Eyepiece 1:	25mm (0.98")
	Magnification of Eyepiece 1:	48x
	Highest Useful Magnification:	600x
	Lowest Useful Magnification:	36x
	Limiting Stellar Magnitude:	14.7
	Light Gathering Power:	1317x as compared to the human eye
	Optical Coatings:	XLT reflective coatings with silicon dioxide and tantalum pentoxide protective overcoatings for primary and secondary mirrors
	Mirror Material:	Pyrex equivalent for primary and secondary mirrors
	Primary Mirror Thickness:	30mm (1.18") (approx. 1:8 thickness ratio)
	Secondary Mirror Thickness:	11.5mm (0.45")
	Minor Axis of Secondary Mirror:	64mm (2.52")
	Tube Material:	Steel
	Focuser:	2" Crayford focuser, includes 2" extension tube and 2"-to-1.25" adapter
	Finderscope:	StarPointer™ red-dot finderscope
	Resolution Rayleigh:	0.55 arcseconds
	Resolution Dawes:	0.46 arcseconds
	Optical Tube Dimensions:	1117.6mm x 292.1mm diameter (44" x 11.5" diameter)
	Optical Tube Weight:	29.2 lbs (13.24 kg)
	MOUNT INFO:	
	Mount Type:	Altazimuth Dobsonian base
	Base Material:	Particle board with melamine surfaces and edge trim, CARB compliant
	Base Dimensions:	673.1mm x 533.4mm x 533.4mm (26.5" x 21" x 21")
	Base Weight:	25.6 lbs (11.6 kg)
	Slew Speeds:	Manual
	Software:	Celestron Starry Night Basic Edition Software and StarSense Explorer App
	Total Telescope Kit Weight:	54.8 lbs (24.86 kg)
	Included Items:	Optical tube Dobsonian Base 25mm eyepiece 2" Crayford focuser StarPointer™ red-dot finderscope StarSense Explorer dock StarSense Explorer unlock code Eyepiece rack Collimation cap Celestron Starry Night Basic Edition Software
	Solar Warning	<ul style="list-style-type: none">• Never look directly at the Sun with the naked eye or with an optic (unless you have the proper solar filter). Permanent and irreversible eye damage may result.• Never use your optic to project an image of the Sun onto any surface. Internal heat build-up can damage the optic and any accessories attached to it.• Never leave your optic unsupervised. Make sure an adult who is familiar with the correct operating procedures is with your optic at all times, especially when children are present.