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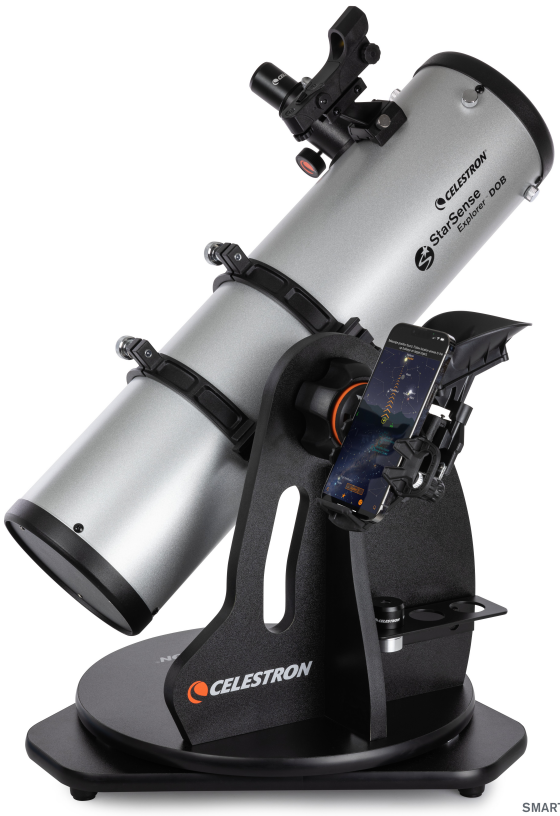
Celestron StarSense Explorer 130mm Tabletop Dobsonian

AUD $799.00

Product Images



Short Description

Unleash the power of your smartphone to take you on a guided tour of the night sky—no telescope experience required. Patented, award-winning StarSense sky recognition technology uses your smartphone to analyze star patterns overhead and calculate the

telescope’s position in real-time.

NOTE: *to protect your scope optics from dust in storage we recommend the Pegasus 6-8" Dust cover for the bottom of your scope. (Product Number 126685)*

Description

Celestron has reinvented the Tabletop Dobsonian telescope with StarSense Explorer—the first Tabletop Dobsonian that uses your smartphone to analyze the night sky and calculate its position in real-time. This 130mm aperture Celestron StarSense Explorer is ideal for 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.

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

The stable Tabletop Dobsonian base provides a sturdy foundation for StarSense Explorer. The tabletop base is compact, lightweight, and easy to transport, making it perfect for travel. The base’s low-profile makes accessing the eyepiece easier for some observers (especially children). You can also place the base on a stable platform, like a table or hood of a car to raise it to a comfortable viewing height. Consider adding the optional tripod for even more viewing options.

Teflon bearings provide smooth motion in both altitude and azimuth. The integrated altitude "brake" system allows you to adjust the tension along the altitude axis to ensure the smoothest motion even with slight imbalances. As celestial objects appear to drift across the night sky, you'll be able to follow them easily.

The optical tube connects to the base via tube rings and a dovetail bar. It’s easy to adjust the tube’s position in the rings so the focuser is in the most ergonomic viewing position. The base features an eyepiece rack to keep your extra eyepiece(s) close at hand.

Dazzling Views with Excellent Optics

With a 130mm (5.1”) parabolic primary mirror, this telescope has enough light gathering ability to bring out detail in celestial objects. You can expect sharp, bright views of Jupiter’s four Galilean moons, its cloud bands and Great Red Spot, the rings of Saturn, the trapezium in the Orion Nebula, and the beautiful Pleiades Open Star Cluster. You'll be able to discern subtle details while viewing the Moon and planets, as well as faint galaxies and nebulae.

This telescope features a 1.25” rack-and-pinion focuser that accepts 1.25” eyepieces and dust covers for the front of the tube and the focuser.

Perfect for the City or Dark Sky Sites

Even if you live in a light-polluted city location, the Celestron StarSense Explorer 130mm Tabletop Dobsonian is advanced enough to easily pick out Jupiter, Saturn, open star clusters like the Pleiades, double stars like Alberio, the Orion Nebula, Andromeda Galaxy, and more of the best and brightest celestial objects.

But if you can take the telescope to an even slightly darker location, more objects will become visible. With this 130mm Dobsonian

and relatively dark skies, hundreds of fascinating objects are well within your reach.

The StarSense Explorer Tabletop Dobsonian is lightweight and equipped with carry handles, making it easy to transport to your observing site.

Smartphone Compatibility

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. For a complete compatibility list, click here.

Patented StarSense Sky Recognition Technology

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.

While other astronomy apps may claim that they can help you find objects, they rely exclusively on the phone's gyros and accelerometers, which aren't as accurate as LISA technology. No other app can accurately tell you when your target is visible in the eyepiece.

Observe Longer with the PowerTank Glow 5000

Keep your phone charged all night while exploring with your StarSense Explorer by adding the PowerTank Glow 5000 (sold separately). Our team engineered this 2-in-1 accessory with StarSense Explorer Dobs in mind. It has a red flashlight PLUS a USB power bank for charging mobile devices in the field. Two included bands attach the PowerTank Glow 5000 to the tabletop Dob base handle, an ideal location for charging your smartphone as you observe.

Additional Information

Specifications	Optical Design:	Newtonian Reflector
	Aperture:	130mm (5.12")
	Focal Length:	650mm (25.6")
	Focal Ratio:	f/5
	Focal Length of Eyepiece 1:	25mm (0.98")
	Magnification of Eyepiece 1:	26x
	Focal Length of Eyepiece 2:	10mm (0.39")
	Magnification of Eyepiece 2:	65x
	Highest Useful Magnification:	307x
	Lowest Useful Magnification:	19x
	Limiting Stellar Magnitude:	13.1
	Light Gathering Power:	345x as compared to the human eye
	Optical Coatings:	Aluminum with SiO2 overcoat
	Mirror Material:	Standard optical glass for primary and secondary mirrors
	Minor Axis of Secondary Mirror:	38mm (1.50")
	Tube Material:	Steel
	Focuser:	1.25" rack-and-pinion
	Finderscope:	StarPointer™ red-dot finderscope
	Resolution Rayleigh:	1.06 arcseconds
	Resolution Dawes:	0.89 arcseconds
	Optical Tube Dimensions:	615.95mm (24.25") long x 165.1mm (6.5") diameter
	Optical Tube Weight:	8.2 lbs (3.72 kg)
	MOUNT INFO:	
	Mount Type:	Altazimuth Tabletop Dobsonian base
	Base Material:	Particle board with melamine surfaces and edge trim, CARB compliant
	Base Dimensions:	482.6mm x 482.6mm x 419.1mm (19" 19" x 16.5")
	Base Weight:	11 lbs (4.99 kg)
	Slew Speeds:	Manual
	Software:	Celestron Starry Night Basic Edition Software and StarSense Explorer App
	Total Telescope Kit Weight:	19.2 lbs (8.71 kg)
	Included Items:	Optical tube Dobsonian Base 25mm and 10mm eyepiece StarPointer™ red-dot finderscope StarSense Explorer dock StarSense Explorer unlock code Eyepiece rack Collimation Cap Celestron Starry Night Basic Edition Software
	Solar Warning	• 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.