TECHNOLOGICAL INNOVATION

SkyAlign™
Ideal for beginners and advanced users alike, SkyAlign makes aligning a computerized telescope fast, easy, and accurate. Simply point at any three bright objects in the sky and the telescope aligns itself. From there, navigation and tracking is as easy as pushing a button.

EdgeHD™ Optics
Celestron’s revolutionary aplanatic EdgeHD optical system virtually eliminates optical aberrations like off-axis star coma and field curvature. The result is a focal plane more than three times flatter than a standard Schmidt-Cassegrain telescope and dramatically flatter than other competing coma-free designs, guaranteeing sharp stars all the way to the edge of the field of view of today’s largest imaging sensors and wide field eyepieces.

All-Star™ Polar Alignment
Get ready for a night of astrophotography faster than ever thought possible. Once your telescope’s GoTo is aligned, the All-Star Polar Alignment procedure allows you to use any bright star in the NexStar+ hand control’s database to assist in mechanically aligning your mount with the North or South Celestial Pole through a straightforward centering process, so you spend less time aligning and more time imaging.

Rowe-Ackermann Schmidt Astrograph (RASA)
This fast, wide field optical tube cannot be used with an eyepiece. It is a dedicated astrophotography system, designed to capture stunning deep sky images in a fraction of the time of an f/10 telescope. Each of the three RASA models (8”, 11”, and 36 cm) is optimized for capturing pinpoint stars across the largest astrophotography sensors. RASA also features a newly designed Ultra-Stable Focusing System ideal for remote use.

LiFePO4 Battery Chemistry
Our lithium iron phosphate (LiFePO4) batteries provide steady, reliable power specifically designed for peak telescope performance. LiFePO4 batteries have an un-recharged shelf life of 10 years, more than 3 times that of lithium-ion and up to 20 times longer than sealed lead acid. In addition, LiFePO4 will last through 2,000 charge cycles (compared to 500 for lithium-ion and 300 for sealed lead acid), so you can keep the battery as long as the telescope you use it with. Because LiFePO4 uses phosphates instead of environmentally hazardous elements like cobalt or lead commonly found in other batteries, it can withstand higher temperatures and does not pose a fire danger if accidentally punctured.
StarBright™ XLT Coatings
One of the most important factors in a Schmidt-Cassegrain telescope is its transmission — the percentage of light that reaches the focal plane. To increase transmission, Celestron engineers developed proprietary StarBright XLT optical coatings, which we apply to all the mirrors and lenses in the optical system. The StarBright XLT coatings enhance views for visual observers and allow more light to reach the CCD sensor during astronomical imaging.

StarSense AutoAlign
With Celestron’s patented StarSense technology, your telescope can align itself to the night sky! Just attach the StarSense AutoAlign accessory, push the Align button on the hand control or smart device, and StarSense begins capturing images of star patterns and matches them to its internal database.

In about three minutes, it’s gathered enough information to determine its position and locate any celestial object in the sky. Press the Sky Tour button to see a customized list of all the best objects currently visible and begin observing.

SkyPortal
Celestron’s planetarium app, co-developed by Simulation Curriculum, redefines how you experience the night sky. Combine it with our WiFi-enabled telescopes or the SkyPortal WiFi module to control your telescope wirelessly. Or use the app alone to explore the Solar System, 120,000 stars, over 200 star clusters, nebulae, galaxies, and dozens of asteroids, comets, and satellites—including the ISS.

WiFi
Leave your hand control behind and slew to all the best celestial objects with a tap of your smart device. To begin, connect your phone or tablet to your telescope’s WiFi network using built-in WiFi or the SkyPortal WiFi Module. Then launch the free SkyPortal mobile app for iOS and Android and explore the universe.

StarSense Explorer
Celestron’s sky recognition technology that has revolutionized the manual telescope by eliminating the confusion common among beginners and enhancing the user experience for even seasoned telescope users.

CPWI
Unleash the full pointing accuracy of your Celestron computerized telescope with this specialized telescope control software, developed in collaboration with PlaneWave Instruments. CPWI has an extensive object database, Sky Viewer display, PointXP mount modeling, and more.

Starry Night
Celestron Starry Night is the premier astronomy software on the market, helping you learn about and observe our Solar System and thousands of other celestial objects. Starry Night takes you on a guided tour of our Solar System’s past, present, and future, and can even model exactly how the night sky will appear from your own backyard, a neighboring town, or anywhere on Earth.

Fastar
Fastar technology allows astroimagers to drastically increase the speed and sensitivity of their Celestron Schmidt-Cassegrain or EdgeHD optical tube, capturing bright, detailed images of deep sky objects with short exposures.
Travel Scope 70 DX / Travel Scope 50 / Travel Scope 70
#22035 / #21038 / #21035

+ Dual-purpose refractor for both terrestrial and astronomical viewing
+ Coated, all-glass optics for clear, crisp images
+ Smooth alt-azimuth mount for quick and easy pointing
+ Comes with a finderscope, erect image diagonal, and two eyepieces
+ Aluminum photographic tripod
+ Comes with a custom backpack for traveling and storage
Ambassador Series  #22302 / #21034

+ A beautiful accent for your home or office that’s also a fully functional dual-purpose telescope for both terrestrial and casual astronomical viewing
+ Vintage-inspired brass 50mm tabletop and 80mm refractor optical tubes with fully-coated optics
+ Full height model includes a mahogany wooden tripod with brass accessory tray

Cometron Series  #21013 / #21079

+ Cometron FirstScope and Cometron 114AZ Newtonian reflector both feature coated, all-glass optics and a fast focal ratio with a wide field of view—perfect for observing comets, star clusters, the Milky Way and more
+ High quality parabolic primary mirror at the heart of the Cometron 114AZ provides visibly sharper images, no spherical aberration, and an f/4 focal ratio
+ 114AZ includes StarPointer red dot finderscope, adjustable stainless steel tripod, and two 1.25” Kellner eyepieces (20mm and 10mm)
+ 76mm FirstScope includes a 5x24 finderscope and two 1.25” Kellner eyepieces (20mm and 10mm)
It doesn't get much simpler or more portable than the FirstScope. This compact, lightweight telescope is an ideal entry-level astronomical telescope. Just remove it from the box, insert an eyepiece, and you’re ready to view. To navigate the sky, just rotate the azimuth axis in the direction of your desired object.

This Dobsonian-style telescope features a spherical glass mirror with a generous 76mm aperture. The FirstScope’s wide field-of-view provides bright, sharp views of the Moon’s mountains and craters in crisp detail. You’ll also enjoy using the FirstScope to pan the Milky Way, explore open star clusters, marvel at Saturn’s rings, or view favorite deep-sky objects like the Orion Nebula.

Its compact design makes the FirstScope easy to take along on your next camping trip, picnic, or hike. When not in use, the FirstScope’s many eye-catching designs make it a stylish decorative fixture on your bookshelf or desk.

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Learn more about FirstScope by visiting celestron.com/firstscope
PowerSeeker telescopes are a great way to open up the wonders of the universe to the aspiring astronomer! Celestron PowerSeeker telescopes are designed to give the first-time observer the perfect combination of quality, value, features, and power. These affordable telescopes offer ample optical performance and a portable design perfect for packing along on camping trips. PowerSeeker features all coated glass optical components for enhanced image brightness and clarity. All PowerSeekers include a full range of eyepieces plus a 3x Barlow lens, allowing an increase in viewing power hundreds of times greater than that of the unaided eye!

**ERECT IMAGE OPTICS**

*for land or sky viewing

**3X BARLOW**

triplies the magnification

**KEY FEATURES**

- Erect image optics* for land and sky viewing
- Easy to assemble, no tools required
- 3x Barlow lens triples the magnifying power of each included eyepiece
- Astronomy software with 36,000-object database and printable sky maps

*PowerSeeker Newtonian reflector models contain one erect image eyepiece.

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<tr>
<th>MODEL NAME</th>
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Learn more about PowerSeeker by visiting celestron.com/powerseeker
Ideal for beginning astronomers and casual terrestrial observers looking for a compact, lightweight large aperture telescope, Celestron’s dual-purpose AstroMaster LT series features precision construction and premium coated optics for bright, clear views of celestial objects or terrestrial landscapes. No matter which AstroMaster LT you choose, you’ll be able to explore Earth’s natural landscape as well as craters on the Moon, the moons of Jupiter, and the rings of Saturn. For a glimpse of deep-sky objects like galaxies and nebulae, consider the larger aperture Newtonian reflector.

**KEY FEATURES**
- Ideal for terrestrial and astronomical observing
- Fully coated glass optics
- Easy to use alt-azimuth mount
- Red dot finderscope
- Astronomy software with 36,000-object database and printable sky maps
- Free SkyPortal app that will help you locate objects to view in the night sky

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Learn more about AstroMaster LT by visiting [celestron.com/astromasterlt](http://celestron.com/astromasterlt)
The quintessential beginner telescope, Celestron's dual-purpose AstroMaster series features precision optical elements and premium coated optics for bright, clear views, whether you're observing celestial objects or terrestrial landscapes. No matter which telescope you choose, you'll be able to explore the craters of the Moon, the belts of Jupiter, and the rings of Saturn. For views of deep-sky objects like galaxies and nebulae, consider the larger aperture Newtonian reflectors.

KEY FEATURES

- Refractor and Newtonian reflector optical tubes with coated, all-glass optics
- Simple no-tool setup
- Red dot finderscope, 1.25" star diagonal (refractors only), and two 1.25" eyepieces (20mm and 10mm)
- Alt-azimuth and German equatorial mounts on rugged pre-assembled steel tripod with accessory tray
- Astronomy software with 36,000-object database and printable sky maps

ALT-AZ MODELS feature a convenient pan handle and built-in clutch for easy targeting and smooth motion. This mount design is best for viewing nature and celestial objects.

GERMAN EQUATORIAL MOUNTS are equipped with setting circles and slow motion controls to accurately locate and track sky objects.
Celestron has reinvented the manual telescope with StarSense Explorer—the first telescope that uses your smartphone to analyze the night sky and calculate its position in real time. StarSense Explorer is ideal for beginners thanks to the companion app’s user-friendly interface and detailed tutorials. It’s like having your own personal tour guide of the night sky.

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 into the unique StarSense dock and launch the StarSense Explorer app. After aligning your phone to the telescope’s optics (a quick, 2-minute 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, the bullseye turns green.

+ Patent-pending StarSense sky recognition technology uses your smartphone to analyze star patterns overhead and calculate its exact pointing position.

+ StarSense Explorer app automatically generates a list of objects currently visible.

+ Manual altazimuth mounts make it easy to follow the on-screen arrows to your desired target. When the bullseye turns green, it’s ready to view in the telescope’s eyepiece. Step up to StarSense Explorer DX models for dual-axis slow motion controls.

+ Includes 25mm and 10mm eyepieces, StarSense smartphone dock, a red dot finderscope (in case you want to use the telescope without your phone), and a sturdy, full-height tripod.

### KEY FEATURES

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Learn more about StarSense Explorer by visiting celestron.com/ssetelescopes
Celestron has always been synonymous with inspired design. With the Inspire line, our engineers have combined the best features from all our entry-level telescopes into one. This telescope is sure to provide astronomy newbies with an incredible experience under the stars and, hopefully, inspire a lifelong hobby.

Whether you favor portability and long focal length for high magnification of the Moon and planets or a wider aperture suited for brighter deep space objects, there’s an Inspire model to fit your needs and interests. These telescopes also fit into your lifestyle; they’re easy to transport and stow, and offer the simplest setup of any telescope in their class.

Inspire’s lens cap features a unique design that doubles as a smartphone adapter, allowing you to capture photos and video through the telescope’s eyepiece without carrying a separate piece of gear. The asymmetrical mount design is incredibly stable while remaining lightweight. And since all three Inspire models are refractors, you can use them from day to night, for terrestrial and astronomical viewing.

### KEY FEATURES
- The easiest setup of any entry-level telescope
- Integrated smartphone adapter/lens cap allows you to capture images and video through the telescope’s eyepiece
- A red flashlight is built into the tripod: use it to illuminate your accessory tray or pop it out for handheld use in the field
- Focus micrometer allows quick return to a specific focus point for specific targets
- StarPointer Pro finderscope offers a large field of view to make navigating the night sky
- Asymmetrical mount is lightweight and incredibly stable
- Erect image optics for easy viewing day or night

### TABLE

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Learn more about Inspire by visiting celestron.com/inspire
High-quality optics meet elegant design in the Omni XLT series. With multiple optical tube styles on both EQ and AZ mounts, the Omni XLT series has a setup to suit the needs of every amateur astronomer.

Our proprietary StarBright XLT coatings maximize light transmission for the brightest possible images. Worm gears on both axes provide smooth, easy motion when tracking targets.

**KEY FEATURES**

+ Refractor and Newtonian reflector optical tubes with StarBright XLT optical coatings
+ CG-4 German equatorial mount with setting circles, worm gear slow-motion controls and ball bearings on both axes
+ Alt-az mount with worm gears for smooth tracking of celestial objects and slip clutches for quick and easy pointing
+ 6x30 finderscope (EQ)/StarPointer Pro finderscope (AZ)
+ Sturdy pre-assembled steel tripod (EQ) or aluminum tripod (AZ) with accessory tray
+ Astronomy software with 36,000-object database and printable sky maps

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Learn more about Omni XLT by visiting celestron.com/omnixlt
Get the same advanced features on some of today’s top telescope systems at a fraction of the price with the LCM computerized telescope series. Aspiring astronomers will love using this computerized telescope to view stars, planets, nebulae, galaxies, and more with the push of a button. Getting set up is easy, too, with our award-winning SkyAlign technology. Just center any three bright objects in your telescope’s eyepiece, and the computer calculates its exact position. From there, LCM can navigate to any target in its 4,000-object database. You don’t need to know the names of stars or constellations; just scroll through the list of the best objects visible and let your LCM telescope show you the universe in a whole new way.

**KEY FEATURES**

- Refractor and Newtonian reflector optical tubes with coated all-glass optics
- SkyAlign alignment technology
- Lightweight computerized alt-azimuth mount with 4,000+ object database and flash-upgradeable NexStar+ hand control
- Red dot finderscope, 1.25” star diagonal (refractors only), and two 1.25” eyepieces (25mm and 9mm)
- Pre-assembled aluminum tripod with accessory tray
- Astronomy software with 36,000-object database and printable sky maps
- Powered by 8x AA batteries or optional external power supply

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Learn more about LCM by visiting [celestron.com/lcm](http://celestron.com/lcm)
Take your explorations to new heights with Celestron’s NexStar SLT line. The sturdy single fork arm mount anchors your telescope, providing improved stability and performance. Available with a variety of optical designs and up to 130mm in aperture, the NexStar SLT has something for everyone. Beginners will appreciate the intuitive SkyAlign technology, which makes aligning your telescope’s computer to the night sky as easy as centering three bright objects in the eyepiece. The NexStar SLT is a precision instrument that can grow with you in the hobby of amateur astronomy for years to come.

**KEY FEATURES**

- Refractor, Newtonian reflector, and Maksutov-Cassegrain optical tubes with all-glass coated optics
- SkyAlign alignment technology
- Computerized alt-azimuth mount with quick-release fork-arm mount, auxiliary port for additional accessories, 4,000+ object database, and flash-upgradeable NexStar+ hand control
- StarPointer finderscope, 1.25” star diagonal*, and two 1.25” eyepieces (25mm and 9mm)
- Sturdy pre-assembled steel tripod with accessory tray
- Astronomy software with 36,000-object database and printable sky maps
- Powered by 8x AA batteries or optional external power supply

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Learn more about NexStar SLT by visiting [celestron.com/nexstarslt](http://celestron.com/nexstarslt)
Explore the sky in WiFi with Celestron’s innovative Astro Fi line. A perfect beginner or intermediate level telescope, Astro Fi is changing the way we experience the night sky. Choose your view with three optical tube choices. For a truly wireless observing experience, Astro Fi features full telescope alignment and motorized GoTo control via WiFi with no need for a hand control. Simply connect Astro Fi to the free SkyPortal planetarium app from Celestron, align the telescope by centering any three bright stars in the eyepiece, and you’ll be slewing to objects in minutes with your iOS or Android smart device.

KEY FEATURES
+ Control your telescope via integrated WiFi using the free Celestron SkyPortal app for iPhone, iPad, and Android devices
+ Available in 130mm Newtonian, 102mm Maksutov-Cassegrain, and 90mm refractor designs
+ Accessory tray holds two 1.25" eyepieces, miscellaneous accessories, and features a rubber-lined area for a smartphone or small tablet
+ Includes a StarPointer finderscope, two Kellner eyepieces, and mirror star diagonal (refractor and Maksutov only)
+ Powered by 8x AA batteries or an optional external power supply

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<td>Astro Fi 130</td>
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<td>Newtonian Reflector / 130mm (5&quot;)</td>
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Learn more about Astro Fi by visiting celestron.com/astrofi
Meet SkyProdigy, the computerized telescope that makes it easier than ever to locate objects in the night sky, even if you’ve never used a telescope before. Just turn it on and push “Align” on the hand control. SkyProdigy uses patented StarSense technology to capture images of star patterns and match them like fingerprints to its internal database, automatically aligning itself in about three minutes. Based on your exact time and location, StarSense can determine all the best planets, stars, star clusters, and other celestial objects currently visible. Select an object from the list, and your telescope centers it perfectly in your eyepiece.

**STARSENSE TECHNOLOGY** automatically aligns your telescopes in minutes!

**KEY FEATURES**
- Newtonian reflector optical tube with fully multi-coated optics
- StarSense fully automatic alignment technology
- Computerized alt-azimuth mount with quick-release fork-arm mount and flash-upgradeable StarSense hand control with 4,000+ object database
- StarPointer finderscope and two 1.25” eyepieces (25mm and 9mm)
- Sturdy pre-assembled steel tripod with accessory tray
- Astronomy software with 36,000-object database and printable sky maps

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Learn more about SkyProdigy by visiting [celestron.com/skyprodigy](http://celestron.com/skyprodigy)
In 1970, Celestron made its mark on the astronomy community with the legendary orange-tube C8. The NexStar SE line continues that heritage, with vivid orange tubes in four apertures on a smooth computerized alt-azimuth mount. With StarBright XLT optical coatings, SkyAlign and a built-in astroimaging wedge (on the 4SE and 5SE), and the NexStar SE is a reliable all-around setup that astronomers of all experience levels will take out again and again.

**KEY FEATURES**

+ Maksutov-Cassegrain and Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings
+ SkyAlign alignment technology
+ Computerized alt-azimuth mount with quick-release fork-arm mount, built-in wedge (on 4SE and 5SE models), 40,000 object database, and flash-upgradeable NexStar+ hand control
+ StarPointer finderscope, 1.25” star diagonal, and 1.25” 25mm eyepiece
+ Sturdy pre-assembled steel tripod with accessory tray
+ Astronomy software with 36,000-object database and printable sky maps

## MODEL NAME

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## OPTICAL DESIGN / APERTURE

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Learn more about NexStar SE by visiting [celestron.com/nexstarse](http://celestron.com/nexstarse)
Celestron's signature telescopes have evolved with NexStar Evolution, the first Schmidt-Cassegrain telescopes with integrated WiFi. Leave your hand control behind and slew to all the best celestial objects with a tap of your smartphone or tablet. We've perfected the key technologies and industrial design that have defined Celestron for over 60 years. Our proprietary SkyAlign alignment procedure is built right into the Celestron mobile app, so you're ready to observe within minutes. Enjoy stargazing marathons of up to 10 hours without external power using the integrated lithium iron phosphate battery.

NexStar Evolution also offers worm gears and improved motors along with a sturdy single fork arm mount for impressive pointing and tracking accuracy. And of course, the Schmidt-Cassegrain optical system offers bright, sharp views with StarBright XLT optical coatings—a great choice for visual observers and budding astroimagers.

### Key Features

- Wireless control from your iOS or Android smartphone or tablet with the free Celestron SkyPortal app for iOS and Android!
- Available with 6", 8", and 9.25" Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings and Fastar compatibility
- Computerized GoTo mount with high-performance worm gears and motors for improved tracking accuracy and reduced gear backlash
- Rechargeable lithium iron phosphate battery with enough power for 10 hours of continuous observing
- Improved industrial design with manual clutches, integrated carry handles, two accessory trays and USB charge port for your phone
- Sturdy steel tripod with indexed tripod legs for easy height adjustment
- Includes StarPointer finderscope, two 1.25" Plössl eyepieces, 1.25" mirror star diagonal, AC adapter, and optional hand control

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Learn more about NexStar Evolution by visiting [celestron.com/nexstarevolution](http://celestron.com/nexstarevolution)
The Evolution family has a brand new bundle that features all of Celestron’s most innovative technologies in one package. It all starts with our 8” EdgeHD optical tube, providing stunning razor-sharp views all the way to the edge of the field of view. Included in this bundle, we’ve also added Celestron’s StarSense AutoAlign accessory, which takes all the guesswork out of the alignment procedure by using its internal camera to map the sky, analyze its position on Earth, and then align the telescope for computerized GoTo and tracking. Without knowing a thing about astronomy, your Evolution can be completely aligned to the night sky in a matter of minutes! With all of these added features, the NexStar Evolution 8 HD package is the most capable, easy-to-use, and ready-for-action system.

**KEY FEATURES**

+ All the features of the NexStar Evolution plus 8” EdgeHD optics for superb visual and astroimaging performance, free of coma and field curvature
+ Rechargeable lithium iron phosphate battery has enough power for 10 hours of continuous observing
+ Built-in WiFi means no hand control is required! Just use your smartphone or tablet, which connects to the telescope via WiFi
+ StarSense AutoAlign automatically aligns your telescope and works with the SkyPortal app for complete wireless control
+ Fastar compatible: image deep sky objects in seconds at f/2, often eliminating the need to autoguide or track on a wedge
+ NexStar Evolution mount is packed with convenient features including manual release clutches and precision machined worm gears for both axes, USB charge port, tray lighting for your accessories, and more
+ Automatically align with StarSense then select and go to objects with a tap on your smart device

Learn more about NexStar Evolution HD by visiting celestron.com/nexstarevolution
A rock-solid dual fork arm mount and large aperture at an affordable price: that’s what makes the CPC telescope series a favorite among experienced amateur astronomers. Celestron’s revolutionary SkyAlign plus an internal GPS make alignment a snap. Use the computerized hand control to quickly slew to over 40,000 celestial objects, then track your target precisely as it moves across the night sky. Imagers can place the CPC dual fork arm mount on an optional HD Pro Wedge to polar align it for long-exposure astrophotography. Thoughtful ergonomic design makes setting up and breaking down your CPC quick and painless.

### Key Features
- Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings
- Computerized dual fork-arm mount with precision drive base and mechanics, quick-release clutch, large drive gears, ultra-wide bearing track drive base, auxiliary ports, 40,000 object database, and flash-upgradeable NexStar+ hand control
- SkyAlign, All-Star Polar Alignment, and internal GPS technology
- Permanently programmable periodic error correction when used with HD Pro Wedge
- 8x50 finderscope, 1.25" star diagonal, and 1.25" 40mm Plössl eyepiece
- Heavy-duty steel tripod with accessory tray, spring-loaded mounting screws, and recessed mounting platform

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Learn more about CPC by visiting [celestron.com/cpc](http://celestron.com/cpc)
We've improved upon the beloved CPC telescope and added acclaimed EdgeHD optics to create a system primed for serious visual observing and astroimaging. The CPC's signature dual fork arm mount has a re-engineered worm gear motor drive for the smoothest tracking performance. Featuring the pinnacle of Celestron's optical technology—EdgeHD—the CPC Deluxe HD offers unsurpassed views with pinpoint stars all the way to the edge of the field of view. This versatile system also meets the needs of advanced imagers, featuring All-Star Polar Alignment with the optional HD Pro Wedge accessory.

**KEY FEATURES**

+ EdgeHD optical tubes with StarBright XLT coatings
+ Computerized dual fork-arm mount with redesigned worm-gear drive base and mechanics, ultra-wide bearing track drive base, auxiliary ports, 40,000 object database, and flash-upgradeable NexStar+ hand control
+ SkyAlign, All-Star Polar Alignment, and internal GPS technology plus Fastar compatibility
+ Permanently programmable periodic error correction when used with HD Pro Wedge
+ Primary mirror support clutches and cooling vents
+ 50mm finderscope, 2" star diagonal, and 2" 23mm Luminos eyepiece included with 925 and 1100 models. CPC DX 800 HD includes 50mm finderscope, 40mm Plössl eyepiece and 1.25" star diagonal.
+ Heavy-duty steel tripod with accessory tray, spring-loaded mounting screws, and recessed mounting platform

Learn more about CPC Deluxe HD by visiting [celestron.com/cpcdeluxe](http://celestron.com/cpcdeluxe)
Engineered from the ground up for optimum astroimaging performance and value, Advanced VX offers the same features found on our top German equatorial mounts in a compact and portable package for loads under 30 pounds. Use the built-in All-Star Polar Alignment technology and you’re ready to image in minutes, even without a clear view of Polaris. Improved motors handle slight load imbalances with ease, while sturdy 2” steel tripod legs add rigidity to your system. With Advanced VX, you can image through the meridian, accurately track through long exposures using permanently programmable periodic error correction, and so much more. Pair this revolutionary mount with your favorite optical tube—including the 8” EdgeHD—and take your imaging to the next level.

**KEY FEATURES**

- Dual saddle plate allows the direct attachment of telescope tubes using the smaller CG-5 style dovetail bars or the larger CGE dovetail bars, with no adapters necessary
- Refractor, Newtonian reflector, Schmidt-Cassegrain, EdgeHD, and RASA optical tubes
- All-Star Polar Alignment plus Fastar compatibility on SCT and EdgeHD tubes
- Computerized German equatorial mount with permanently programmable periodic error correction, 40,000-object database, and flash-upgradeable NexStar+ hand control
- Allows viewing or imaging across the meridian without interference from the motor’s housings—can be used between 7° - 77° latitude
- 6x30 or 9x50 finderscope and 1.25” eyepiece (varies with model)
- Steel tripod with accessory tray

**SERIES**

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<td>Advanced VX 8” Newtonian</td>
<td>Advanced VX 6” SCT</td>
<td>Advanced VX 6” Refractor</td>
<td>Advanced VX 7” Mak-Cassegrain</td>
<td>Advanced VX 8” SCT</td>
<td>Advanced VX 8” EdgeHD</td>
<td>Advanced VX 9.25” SCT</td>
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A fresh update to the venerable CGEM mount, the CGEM II has an attractive, bold appearance and is capable of carrying Celestron’s higher-end SCT optical tubes (up to 11”) securely and vibration-free—ideal for imaging and visual observing. Capable of holding 40 pounds of payload and slewing at 5° per second, CGEM II can instantly point to any of the celestial objects in its database with ease.

The CGEM II contains lots of convenient upgrades, such as the dual-sized dovetail saddle plate, graduated markings on the tripod legs, a USB port on the hand control for PC connection, permanent periodic error correction, a dedicated autoguider port, and the ability to track past the meridian.

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The CGEM II contains lots of convenient upgrades, such as the dual-sized dovetail saddle plate, graduated markings on the tripod legs, a USB port on the hand control for PC connection, permanent periodic error correction, a dedicated autoguider port, and the ability to track past the meridian.

NEW DESIGN WITH IMPROVED ERGONOMICS
Dual saddle plate for both small and larger style dovetail bars

KEY FEATURES
+ Dual saddle plate allows the direct attachment of telescope tubes using the smaller CG-5 style dovetail bars or the larger CGE dovetail bars, with no adapters necessary
+ The 2" heavy-duty steel tripod legs have graduated markings on the inner section, making it quick and easy to extend the legs to the same height
+ USB 2.0 port located on the bottom of the hand control for direct connection to a PC via ASCOM supported software and easy firmware updating for hand control and mount
+ Track past the meridian to seamlessly image through the best part of the sky
+ Permanent periodic error correction allows users to train out the worm gears periodic errors once, while the mount retains the PEC recordings
+ Built-in All-Star Polar Alignment program offers accurate polar aligning on any star in the sky, even without view of the celestial pole
+ Mount weighs 40 lb – Tripod weighs 20 lb

Learn more about CGEM II by visiting celestron.com/cgem2
Celestron’s engineering team applied their years of experience designing German Equatorial mounts to the all-new CGX, a culmination of all our technological advancements and customer feedback.

By refocusing our design efforts and anticipating the needs of today’s visual observers and astrophotographers, Celestron has redefined a new level of state-of-the-art with the all-new CGX German equatorial mount. Compact, solid, and totally redesigned with a lower profile, CGX is sturdier and more rigid than its predecessors. We’ve also added several new features and software that make the mount ideal for automation and remote operation.

**KEY FEATURES**

- Massive 55-lb load capacity, perfect for remote observatory operation
- Heavy-duty 2” steel tripod legs with graduated markings for quick leveling
- Spring-loaded worm gears with belt drives that minimize backlash for a more responsive mount
- Internal cabling—power and accessory ports do not move with mount
- Improved ergonomics with smoother polar align adjustments and intuitive carry handles
- Home and limit switches, plus internal hard stops for R.A. and Dec to prevent cable wrap and tripod strike
- Tracks 20° past the meridian on either side
- Supports SkyPortal WiFi and StarSense AutoAlign accessories
- Mount weight: 44 lb, tripod weight: 19.2 lb

Learn more about CGX by visiting [celestron.com/cgx](http://celestron.com/cgx)
Celestron's CGX-L is the newest German equatorial mount series, capable of carrying larger optical tubes and accessories with ease. CGX-L was designed for backyard observatories and remote imagers looking for exceptional load capacity-to-weight ratio, compact design, and innovative features that fully support large telescopes, imaging kits, and the latest accessories.

Key design goals included larger 144mm diameter worm wheels, which provide smoother operation and can more accurately drive heavier loads, a longer 270mm dovetail saddle to support larger optical tubes, remote operation-friendly features such as home and limit optical sensors, easier polar alignment adjustments, and better cable management. In addition, we've made mechanical and ergonomic improvements throughout the mount to make it sturdier, easier to use, and easier to transport.

Learn more about CGX-L by visiting celestron.com/cgx-l
THE ULTIMATE ASTROIMAGING TOOL, the Rowe-Ackermann Schmidt Astrograph cannot be used for visual observing at all. It was optimized as a complete system for wide field imaging. Just attach your DSLR*, mirrorless, or astronomical CCD/CMOS camera to the front of the telescope and you’re ready to produce the next generation of award-winning astroimages.

Capturing impressive deep-sky astroimages is easier than ever with Celestron’s Rowe-Ackermann Schmidt Astrograph, the perfect companion to today’s top astroimaging cameras. This fast, wide-field system offers two huge advantages over traditional f/10 astroimaging: better apparent tracking and shorter exposures. That means you’ll create better-looking astroimages in a fraction of the time, often without the use of an autoguider.

RASA builds on the legacy of Celestron’s Schmidt Camera, which allowed astrophotographers to produce spectacular deep sky images on film in the 1980s. Today, with CCD sensor sizes as large as film—or larger—the RASA offers a large optimized image circle to capture pinpoint stars across the largest imaging sensors.

RASA features newly designed optics with 4-element rare-earth glass for images free of false color and aberrations like coma and field curvature. This system is available in 8”, 11” and 36 cm apertures.

*11” and 36 cm only
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<td>Rowe-Ackermann Schmidt Astrograph / 355.6mm (14&quot;)</td>
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<td><strong>Dovetail Bars Included</strong></td>
<td>Bottom of tube (top bar is available as an accessory)</td>
<td>Top and bottom</td>
<td>Top and Bottom</td>
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<td><strong>Included Camera Adapters</strong></td>
<td>M42 and C-thread adapters</td>
<td>M42 and M48 adapters</td>
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Learn more about Rowe-Ackermann Schmidt Astrograph by visiting [celestron.com/rasa](http://celestron.com/rasa)
GERMAN EQUATORIAL MOUNTS
AT A GLANCE

When assembling your dream telescope, rely on Celestron's mounts for the perfect stable foundation. Each mount is ergonomically designed and optimized to accommodate your specific needs: ease of setup, portability, stability, precision, alignment technology, and more.

<table>
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<td>CGEM II Computerized Mount</td>
<td>91523</td>
<td>up to 40 lb</td>
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Learn more about Celestron Mounts by visiting [celestron.com/mounts](http://celestron.com/mounts)

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<td>up to 75 lb</td>
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With the advent of large CCD sensors and ultra-wide field eyepieces, Celestron’s engineers set out to develop a completely flat-field optical system. The result was EdgeHD: an aplanatic Schmidt telescope free of the aberrations of field curvature and coma. When you look through an EdgeHD telescope, you’ll see crisp stars all the way to the edge of the field of view—no streaky or doughnut-shaped stars. If you’re an astroimager, you can be confident in your EdgeHD, because every single unit must pass a photographic test before leaving our factory. A man-made star is tested on all corners of a full-frame 42mm CCD sensor for a sharp, round, pinpoint appearance every time.

+ Astrograph-quality optical technology at an affordable price
+ Pinpoint stars all the way to the edge of a full-frame CCD sensor
+ Available in 8” to 14” apertures

Astroimaging is one of the most rewarding activities in which amateur astronomers can participate. EdgeHD optics produce results that were only attainable by professional level (and professionally priced!) equipment as little as a decade ago. Hundreds of thousands of amateur astronomers now spend their time under the night sky, capturing stunning images of the heavens above.

Learn more about EdgeHD Series by visiting celestron.com/edgehd
Celestron’s EdgeHD optical tubes offer true astrograph quality in apertures ranging from 8” to 14”. The aplanatic Schmidt-Cassegrain telescope produces a coma-free focal plane more than three times flatter than a standard SCT, as well as dramatically flatter than other competing coma-free designs, for sharp images all the way to the edge of the field of view. Premium StarBright XLT coatings maximize light transmission.

**EdgeHD Series Key Features**

+ EdgeHD optical tubes with StarBright XLT coatings
+ Primary mirror clutches reduce image shift when tube is rotating around mount
+ Cooling vents allow air to be released from behind the primary mirror
+ 9x50 finderscope and star diagonal
+ Add an EdgeHD .7x Focal Reducer Lens to cut your exposure time in half and increase your field of view by 43% while maintaining the same flat-field performance of the native optical design
+ Fastar compatible for f/2 wide-field imaging

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ITEM #</th>
<th>APERTURE</th>
<th>OPTICAL DESIGN</th>
<th>FOCAL LENGTH</th>
<th>EYEPieces</th>
<th>FINDERSCOPE</th>
<th>DOVETAIL</th>
<th>COATINGS</th>
<th>WEIGHT</th>
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</thead>
<tbody>
<tr>
<td>EdgeHD 800</td>
<td>91031-XLT</td>
<td>203mm (8&quot;)</td>
<td>Edge HD</td>
<td>2032mm f/10</td>
<td>40mm (51x) Plössl</td>
<td>9x50</td>
<td>CG-5</td>
<td>StarBright XLT</td>
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<tr>
<td>EdgeHD 800</td>
<td>91030-XLT</td>
<td>203mm (8&quot;)</td>
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<td>CGE</td>
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<td>EdgeHD 9.25</td>
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<td>235mm (9.25&quot;)</td>
<td>Edge HD</td>
<td>2350mm f/10</td>
<td>23mm (102x) Luminos</td>
<td>9x50</td>
<td>CGE</td>
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<td>EdgeHD 1100</td>
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<td>Edge HD</td>
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<td>CGE</td>
<td>StarBright XLT</td>
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<tr>
<td>EdgeHD 1400</td>
<td>91060-XLT</td>
<td>356mm (14&quot;)</td>
<td>Edge HD</td>
<td>3910mm f/11</td>
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Learn more about Optical Tube Assemblies by visiting [celestron.com/ota](http://celestron.com/ota)
Celestron’s Schmidt-Cassegrain telescopes revolutionized amateur astronomy in the 1960s and 70s. Today, customers continue to love the Celestron Schmidt-Cassegrain for its large aperture in a compact, affordable, easy-to-use package. Its f/10 focal ratio makes it a versatile choice for viewing Solar System and deep sky objects alike. We still produce our Schmidt-Cassegrains using the methods invented by our founder, Tom Johnson. Choose from apertures ranging from 6” to 14” and experience our legacy for yourself.

+ Celestron’s signature Schmidt-Cassegrain optical tube assemblies are available individually

+ Aluminum tube construction

+ StarBright XLT optical coatings for increased transmission

+ Multiple dovetail options to accommodate your mount

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<table>
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<th>FOCAL LENGTH</th>
<th>EYEPieces</th>
<th>FINDERSCOPE</th>
<th>DOVETAIL</th>
<th>COATINGS</th>
<th>WEIGHT</th>
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<td>25mm (94x) Plössl</td>
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<td>CGE</td>
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<td>CGE</td>
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<td>CG-5</td>
<td>StarBright XLT</td>
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<tr>
<td>C14-A (XLT)</td>
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<td>9x50</td>
<td>CGE</td>
<td>StarBright XLT</td>
<td>45 lb</td>
</tr>
</tbody>
</table>

Learn more about Optical Tube Assemblies by visiting celestron.com/ota
A great way to get started with astroimaging, especially if you live in a light-polluted area. One-shot color imagers that replace the 1.25" eyepiece on your telescope and connect to your PC via USB 2.0. Contains everything you need to get started, including Celestron’s easy-to-use software suite. Simply point your telescope at the Moon or a planet and record a quick video. The software analyzes each frame of video, throws away the fuzzy ones, and perfectly aligns the remaining images. Also works for solar imaging when used with a full aperture telescope solar filter.

NexImage 10 is our first NexImage series camera to incorporate USB 3.0 SuperSpeed! With more than ten million pixels and high speed data transmission, the NexImage 10 produces clear and detailed planetary images like never before. With super small 1.67µm pixels, smaller telescopes with shorter focal lengths are still going to yield tremendous planetary detail. It’s one of the best valued, high-res USB 3.0 planetary imaging cameras on the market.

What makes NexYZ different from other smartphone adapters? The three-axis adjustment. Most adapters only offer limited adjustment in two axes. But NexYZ gives you the power to center your phone over the eyepiece with the X and Y knobs, and then adjust the Z axis until you have the entire field of view in your shot. From start to finish, the process only takes about 30 seconds.

NexYZ fits any eyepiece from 35mm to 60mm in diameter, including telescopes with 1.25" and 2" eyepieces, sport optics, and microscopes with the included adapter ring.

- Works with a wide range of mobile phone models, including all the latest devices from Samsung, Google, and Apple
- Features three directional knobs (X, Y, and Z axis) that perfectly align your phone’s camera with the eyepiece in seconds
- Durable construction with a metal frame and polymer body
**E-Lux Eyepieces**
Traditional Plossl design with fully coated lenses and a 56° apparent field of view. Sizes: 26mm - 2", 32mm - 2" and 40mm - 2"

**Luminos Eyepieces**
Super wide 82° field of view in both high power and low power models. Parfocal, fully multi-coated optics. Sizes: 7mm - 1.25", 10mm - 1.25", 15mm - 1.25", 19mm - 2", 23mm - 2"

**X-Cel LX Eyepieces**
Wide field of view at 60° with 6-element fully multi-coated optics and parfocal lens requires little to no focusing when changing from low to high power. Available in 1.25" format. Sizes: 2.3mm, 5mm, 7mm, 9mm, 12mm, 18mm and 25mm.

**Omni Eyepieces**
50° apparent field of view, perfect for the Moon, planets, and a plethora of deep-sky objects. Multicoated four-element optical set with blackened edges. Available in 1.25" format. Sizes: 4mm, 6mm, 9mm, 12mm, 32mm, 40mm

**Barlow Lenses**
Get additional magnification for your favorite Celestron eyepieces! Ideal for zooming in on planetary details, lunar landscapes, and rich star fields.

**Reducer Lens .7x EdgeHD**
The EdgeHD .7x Reducer Lens increases the field of view of your OTA by 43% to better capture wide field images and makes your EdgeHD one full 1-stop faster, reducing your exposure time by one-half to capture the same brightness of the object. All this while maintaining a similar flat-field performance as the native EdgeHD optical design. + EdgeHD 800 Reducer Lens #94242 + EdgeHD 925 Reducer Lens #94245 + EdgeHD 1100 Reducer Lens #94241 + EdgeHD 1400 Reducer Lens #94240

**2” Mirror Diagonal with XLT Coatings**
There are few telescope accessories that work as hard or matter as much as a diagonal! An integral part of the optical chain, a good diagonal can make a big difference in the quality of the image you see. A 2” diagonal is required if you want to use 2” eyepieces when observing with your telescope. Upgrade to 2” and see what you’ve been missing!

**Dielectric Star Diagonal, 1.25” and 2” with Twist-Lock**
Enjoy better views through your telescope with this premium diagonal featuring diffraction-limited optics and dielectric coatings. The twist-lock keeps the eyepiece centered in the diagonal to provide better optical alignment and won’t damage your eyepieces. #93573, #93571

**Accessory Kits**
Packed with everything you need for your next observing session, our accessory kits are a great way for new amateur astronomers to grow their accessory collection quickly. Each kit includes an assortment of eyepieces and filters. Our most popular kits include a Barlow lens and premium aluminum carrying case! + AstroMaster Accessory Kit # 94307 + PowerSeeker Accessory Kit # 94306 + Observer’s Accessory Kit # 94308 + 1.25” Eyepiece and Filter Kit # 94303 + 2” Eyepiece and Filter Kit # 94305 + FirstScope Accessory Kit #21024-ACC
**Polar Axis Finderscope for CGX & CGX-L**

The optional Polar Axis Finderscope for the CGX series provides an easy way to polar align your mount. The Polar Finderscope includes a dovetail base bracket that attaches to the CGX. The finder bracket itself can be removed from the dovetail for storage. Designed specifically for CGX and CGX-L, the bracket angle is adjustable to accommodate the most accessible viewing angle for your setup.

#94239

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**PowerTank Lithium Family**

Power your computerized telescope with a PowerTank Lithium. These rechargeable lithium batteries are smaller, lighter, safer, and easier to maintain than older battery designs. USB output ports keep your personal electronic devices charged while you observe. Also great for your emergency kit!

**PowerTank Lithium #18771**
- 10 hours of power
- Telescope power port, 2 USB ports
- White and red LED flashlight
- Lithium iron phosphate (LiFePO4) chemistry

**PowerTank Lithium Pro #18768**
- 17 hours of power
- 12V car battery adapter port, 2 USB ports
- White and red LED flashlight
- LiFePO4 chemistry

**PowerTank Lithium LT #18763**
- 8 hours of power
- Telescope power port, 1 USB port
- Lithium cobalt chemistry
- Up to 2000 charge cycles – four times more than lithium-ion & 7 times more than sealed lead-acid designs

**PowerTank Glow 5000**

An essential for any amateur astronomer, this 2-in-1 device features a rechargeable handheld red LED flashlight with three brightness levels and a 5000 mAh 5V DC power bank to charge USB devices. PowerTank Glow 5000 includes silicone straps so you can attach it to one of your telescope’s tripod legs.

#93585

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**StarSense AutoAlign**

The same award-winning alignment technology found in our SkyProdigy telescopes is now available as an accessory for any compatible Celestron computerized telescopes! Give your favorite telescope, from a NexStar SE to a CGE Pro 1400, the ease and power of automatic alignment and instant navigation. Advanced users can add up to 10 calibration stars for Celestron’s most accurate alignment possible.

#94005

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**SkyPortal WiFi Module**

Control your telescope with your iPhone or iPad using the Skyportal WiFi Module. Tap any object on the screen, and your compatible Celestron computerized telescope automatically slews to it.

#93973

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**HD Pro Wedge**

Celestron’s HD Pro Wedge is designed to support our fork-mounted Schmidt-Cassegrain telescopes up to 11”. The HD Pro Wedge provides a heavy-duty, stable platform that is perfect for astroimaging and guarantees minimal vibration.

#93664

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**NexStar Evo Wedge**

Our popular NexStar SE and our new NexStar Evolution telescopes are great for astrophotography, however an EQ wedge is necessary to take longer exposure images, or to advance further and use an autoguider. The new Wedge for NexStar Evolution and SE 6/8 mounts turns our venerable single fork arm telescopes into portable astroimaging powerhouses.

#93665

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**Optical Tube Carrying Case**

Safely store your Schmidt-Cassegrain or EdgeHD optical tube in a custom-molded EVA carrying case. Hard yet flexible, the case protects the tube from bumps and scratches, and even features a zippered storage pocket for accessories. Larger cases include wheels and a retractable handle for easy transport.

- Optical Tube Carrying Case - (4/5/6/8 SCT or EdgeHD) #94003
- Optical Tube Carrying Case - (8/9.25/11 SCT or EdgeHD) #94004