

 **CELESTRON**

ASTRONOMY



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.

ROWE-ACKERMANN SCHMIDT ASTROGRAPH



Rowe-Ackermann Schmidt Astrograph (RASA)

This fast, wide field optical tube cannot be used with an eyepiece. It is a dedicated astroimaging 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 astroimaging sensors. RASA also features a newly designed Ultra-Stable Focusing System ideal for remote use.

EDGEHD OPTICS



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.

LiFePO₄



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.



All-Star™ Polar Alignment

Get ready for a night of astroimaging 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.



**StarBright® XLT
COATINGS**

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™
TECHNOLOGY**

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.



Faster

Faster 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.

SPECIALTY TELESCOPES

INCLUDES A
SMARTPHONE
ADAPTER



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)



FIRSTSCOPE

SERIES



76MM NEWTONIAN REFLECTOR,
perfect for exploring our Solar
System and beyond



TABLETOP DOBSONIAN MOUNT
makes it easy to navigate the sky



It doesn't get much simpler or more portable than the FirstScope **KEY FEATURES**

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.

- + High-quality tabletop Dobsonian with a 76mm reflector optical tube
- + Simple, portable telescope ideal for astronomers of all levels—a great choice for families
- + Very easy to observe with—simply navigate the night sky by moving the tube in the direction of the desired object
- + Stylish and decorative optical tube designs make FirstScope a wonderful keepsake for anyone interested in astronomy

Item #	21024	21023	22025	22016
MODEL NAME	FirstScope Telescope	Cometron FirstScope Telescope	National Park Foundation FirstScope Telescope	FirstScope Signature Series Moon by Robert Reeves Telescope
OPTICAL DESIGN / APERTURE	Newtonian Reflector / 76mm (3")	Newtonian Reflector / 76mm (3")	Newtonian Reflector / 76mm (3")	Newtonian Reflector / 76mm (3")
FOCAL LENGTH / FOCAL RATIO	300mm / f/12	300mm / f/12	300mm / f/12	300mm / f/12
WEIGHT	3.4 lb	3.4 lb	3.4 lb	3.4 lb

Learn more about FirstScope by visiting celestron.com/firstscope

POWERSEEKER®

SERIES



ERECT IMAGE OPTICS*
for land or sky viewing



3X BARLOW
triples the
magnification



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!

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.

Item #	21039	21041	21043	21036	21037	21048	21087	21045	21049
MODEL NAME	PowerSeeker 50AZ	PowerSeeker 60AZ	PowerSeeker 60EQ	PowerSeeker 70AZ	PowerSeeker 70EQ	PowerSeeker 80EQ	PowerSeeker 80AZS	PowerSeeker 114EQ	PowerSeeker 127EQ
OPTICAL DESIGN / APERTURE	Refractor / 50mm (2")	Refractor / 60mm (2.4")	Refractor / 60mm (2.4")	Refractor / 70mm (2.8")	Refractor / 70mm (2.8")	Refractor / 80mm (3.1")	Refractor / 80mm (3.1")	Reflector / 114mm (4.5")	Reflector / 127mm (5")
FOCAL LENGTH / FOCAL RATIO	600mm / f/12	700mm / f/12	900mm / f/10	700mm / f/10	700mm / f/10	900mm / f/11	400mm / f/5	900mm / f/8	1000mm / f/8
WEIGHT	5 lb	7 lb	12 lb	8 lb	14 lb	18 lb	10 lb	23 lb	24 lb

Learn more about PowerSeeker by visiting celestron.com/powerseeker

ASTROMASTER® LT

SERIES



IDEAL FOR terrestrial and astronomical observing

PAN HANDLE ALT-AZIMUTH CONTROL with clutch for smooth and accurate pointing



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

Item #	21073	21074	31036
MODEL NAME	AstroMaster LT 60AZ	AstroMaster LT 70AZ	AstroMaster LT 76AZ
OPTICAL DESIGN / APERTURE	Refractor / 60mm (2.36")	Refractor / 70mm (2.8")	Newtonian Reflector / 76mm (3")
FOCAL LENGTH / FOCAL RATIO	700mm / f/12	700mm / f/10	700mm / f/9
WEIGHT	13 lb	16 lb	12 lb

Learn more about AstroMaster LT by visiting celestron.com/astromasterlt

ASTROMASTER[®]

SERIES



GERMAN EQUATORIAL MOUNTS are equipped with setting circles and slow motion controls to accurately locate and track sky objects.

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.



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

Item #	21061	21062	31035	21063	21064	31042	31045 / 31051*
MODEL NAME	AstroMaster 70AZ	AstroMaster 70EQ	AstroMaster 76EQ	AstroMaster 90AZ	AstroMaster 90EQ	AstroMaster 114EQ	AstroMaster 130EQ
OPTICAL DESIGN / APERTURE	Refractor / 70mm (2.8")	Refractor / 70mm (2.8")	Reflector / 76mm (3")	Refractor / 90mm (3.5")	Refractor / 90mm (3.5")	Newtonian Reflector / 114mm (4.5")	Newtonian Reflector / 130mm (5")
FOCAL LENGTH / FOCAL RATIO	900mm / f/13	900mm / f/13	700mm / f/9	1000mm / f/11	1000mm / f/11	1000mm / f/9	650mm / f/5
WEIGHT	18 lb	18 lb	16 lb	20 lb	27 lb	17 lb	28 lb

Learn more about AstroMaster by visiting celestron.com/astromaster

StarSense EXPLORER™ SERIES



CONNECT YOUR
PHONE
AND TAKE A
GUIDED TOUR
OF THE
UNIVERSE

- 1 DOCK**
YOUR SMARTPHONE
- 2 LAUNCH**
THE STARSENSE EXPLORER APP
- 3 OBSERVE**
STARS, PLANETS AND MORE

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 to move the telescope. When the object is ready to view, the bullseye turns green.

KEY FEATURES

- + 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.

Item #	22451	22452	22460	22461
MODEL NAME	StarSense Explorer™ LT 80AZ	StarSense Explorer™ LT 114AZ	StarSense Explorer™ DX 102AZ	StarSense Explorer™ DX 130AZ
OPTICAL DESIGN / APERTURE	Refractor / 80mm (3.1")	Newtonian Reflector / 114mm (4.5")	Refractor / 102mm (4.01")	Newtonian Reflector / 130mm (5.11")
FOCAL LENGTH / FOCAL RATIO	900mm (35.43") / f/11	1000mm (39.3") / f/9	660mm (25.98") / f/6.5	650mm (25.59") / f/5
WEIGHT	9.2 lb (4.17 kg)	10.4 lb (4.71 kg)	14.2 lb (6.44 kg)	18 lb (8.16 kg)

Learn more about StarSense Explorer by visiting celestron.com/ssetelescopes

INSPIRE™ SERIES



INTEGRATED SMARTPHONE ADAPTER,
perfect for the budding astrophotographer



BUILT-IN ACCESSORY TRAY
easily folds up with tripod



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

Item #	22401	22402	22403
MODEL NAME	Inspire 70AZ	Inspire 80AZ	Inspire 100AZ
OPTICAL DESIGN / APERTURE	Refractor / 70mm (2.8")	Refractor / 80mm (3.1")	Refractor / 100mm (3.9")
FOCAL LENGTH / FOCAL RATIO	700mm / f/10	900mm / f/11	660mm / f/6.5
WEIGHT	14 lb	17 lb	16 lb

Learn more about Inspire by visiting celestron.com/inspire

OmniXLT[®]

SERIES



SLOW MOTION CONTROLS
for easy targeting and tracking



StarBright[®] XLT
COATINGS

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

Item #	21088	21090	31057	22151
MODEL NAME	Omni XLT 102	Omni XLT 120	Omni XLT 150	Omni XLT AZ 114
OPTICAL DESIGN / APERTURE	Refractor / 102mm (4")	Refractor / 120mm (4.7")	Newtonian Reflector / 150mm (6")	Newtonian Reflector / 114mm (4.5")
FOCAL LENGTH / FOCAL RATIO	1000mm / f/10	1000mm / f/8.3	750mm / f/5	450mm / f/4
WEIGHT	43 lb	46 lb	45.5 lb	13.8 lb

Learn more about Omni XLT by visiting celestron.com/omnixlt

LCM

SERIES



COMPUTERIZED TELESCOPE
automatically locates thousands
of celestial objects using the
NexStar+ hand control



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

Item #	22050	22051	31150
MODEL NAME	60LCM	80LCM	114LCM
OPTICAL DESIGN / APERTURE	Refractor / 60mm (2.4")	Refractor / 80mm (3.1")	Newtonian Reflector / 114mm (4.5")
FOCAL LENGTH / FOCAL RATIO	700mm / f/12	900mm / f/11	1000mm / f/8.8
WEIGHT	10 lb	14 lb	15 lb

Learn more about LCM by visiting celestron.com/lcm

NexStar SLT

SERIES



FULLY COMPUTERIZED
alt-azimuth mount

STARPOINTER FINDERSCOPE
helps sight and center objects



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

*Not included with NexStar 130 SLT Newtonian reflector

Item #	22087	22097	22096	31145
MODEL NAME	NexStar 90 SLT	NexStar 127 SLT	NexStar 102 SLT	NexStar 130 SLT
OPTICAL DESIGN / APERTURE	Maksutov-Cassegrain / 90mm (3.5")	Maksutov-Cassegrain / 127mm (5")	Refractor / 102mm (4")	Newtonian Reflector / 130mm (5.1")
FOCAL LENGTH / FOCAL RATIO	1250mm / f/14	1500mm / f/12	660mm / f/6	650mm / f/5
WEIGHT	12 lb	18 lb	14 lb	18 lb

Learn more about NexStar SLT by visiting celestron.com/nexstarslt

ASTRO FI™ SERIES



**INCLUDES A UNIVERSAL
SMARTPHONE ADAPTER**

SkyAlign™
evolutionary Alignment Technology

WiFi
READY



**CONTROL YOUR TELESCOPE VIA
INTEGRATED WIFI** using the free
Celestron SkyPortal app for iPhone,
iPad, and Android devices



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

Item #	22201	22202	22203
MODEL NAME	Astro Fi 90	Astro Fi 102	Astro Fi 130
OPTICAL DESIGN / APERTURE	Refractor / 90mm (3.5")	Maksutov-Cassegrain / 102mm (4")	Newtonian Reflector / 130mm (5")
FOCAL LENGTH / FOCAL RATIO	910mm / f/10	1325mm / f/13	650mm / f/5
WEIGHT	9 lb	10 lb	13 lb

Learn more about Astro Fi by visiting celestron.com/astrofi



STARSENSE TECHNOLOGY
automatically aligns your
telescopes in minutes!



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.

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

Item #	31153
MODEL NAME	SkyProdigy 130
OPTICAL DESIGN / APERTURE	Newtonian Reflector / 130mm (5.12")
FOCAL LENGTH / FOCAL RATIO	650mm / f/15
WEIGHT	18 lb

Learn more about SkyProdigy by visiting celestron.com/skyprodigy

NexStar® SE SERIES



MULTIPLE OPTICAL TUBE SIZES
to accommodate everyone!



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

Item #	11049	11036	11068	11069
MODEL NAME	NexStar 4SE	NexStar 5SE	NexStar 6SE	NexStar 8SE
OPTICAL DESIGN / APERTURE	Maksutov-Cassegrain / 102mm (4")	Schmidt-Cassegrain / 125mm (5")	Schmidt-Cassegrain / 150mm (6")	Schmidt-Cassegrain / 203mm (8")
FOCAL LENGTH / FOCAL RATIO	1325mm / f/13	1250mm / f/10	1500mm / f/10	2032mm / f/10
WEIGHT	21 lb	28 lb	30 lb	33 lb

Learn more about NexStar SE by visiting celestron.com/nexstarse

NEXSTAR[®] EVOLUTION SERIES



LiFeP[®]4



StarBright[®] XLT
COATINGS



**EXPLORE THE UNIVERSE
WIRELESSLY** and control
your Evolution telescope with
the free Celestron SkyPortal
app for iOS and Android!



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 mobile app with planetarium interface and SkyAlign technology—or use the included NexStar+ hand control
- + 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

Item #	12090	12091	12092
MODEL NAME	NexStar Evolution 6	NexStar Evolution 8	NexStar Evolution 9.25
OPTICAL DESIGN / APERTURE	Schmidt-Cassegrain / 6" (150mm)	Schmidt-Cassegrain / 8" (203mm)	Schmidt-Cassegrain / 9.25" (235mm)
FOCAL LENGTH / FOCAL RATIO	1500mm / f/10	2032mm / f/10	2350mm / f/10
WEIGHT	35.4 lb	40.6 lb	46.6 lb

Learn more about NexStar Evolution by visiting celestron.com/nexstarevolution

NEXSTAR[®] EVOLUTION HD

WITH STARSENSE AUTOALIGN



StarSense
TECHNOLOGY

EDGEHD
OPTICS

WiFi
READY

LiFePO₄



StarBright[®] XLT
COATINGS



STARSENSE AUTOALIGN
automatically aligns your
telescope and works with
the SkyPortal app for
complete wireless control



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

Item #	12096
MODEL NAME	NexStar Evolution 8 HD with StarSense
OPTICAL DESIGN / APERTURE	EdgeHD / 8" (203mm)
FOCAL LENGTH / FOCAL RATIO	2032mm / f/10
WEIGHT	35.4 lb

Learn more about NexStar Evolution HD by visiting celestron.com/nexstarevolution

CPCTM SERIES



StarBright® XLT
COATINGS



SkyAlign[™]
evolutionary Alignment Technology

**FULLY COMPUTERIZED
dual fork arm alt-azimuth
mount for greater stability**



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

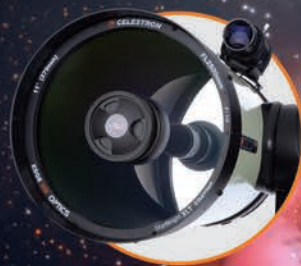
Item #	11073-XLT	11074-XLT	11075-XLT
MODEL NAME	CPC 800	CPC 925	CPC 1100
OPTICAL DESIGN / APERTURE	Schmidt-Cassegrain / 203mm (8")	Schmidt-Cassegrain / 235mm (9.25")	Schmidt-Cassegrain / 279mm (11")
FOCAL LENGTH / FOCAL RATIO	2032mm / f/10	2350mm / f/10	2800mm / f/10
WEIGHT	69 lb	85 lb	92 lb

Learn more about CPC by visiting celestron.com/cpc

CPC DELUXE HD SERIES



StarBright® XLT
COATINGS



EDGEHD OPTICAL TUBE
provides stunning views
and sharp astroimages
free of visual defects



SkyAlign™
evolutionary Alignment Technology



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

Item #	11007	11008	11009
MODEL NAME	CPC Deluxe 800 HD	CPC Deluxe 925 HD	CPC Deluxe 1100 HD
OPTICAL DESIGN / APERTURE	EdgeHD / 203.2mm (8")	EdgeHD / 235mm (9.25")	EdgeHD / 279mm (11")
FOCAL LENGTH / FOCAL RATIO	2032mm / f/10	2350mm / f/10	2800mm / f/10
WEIGHT	78 lb	85 lb	93 lb

Learn more about CPC Deluxe HD by visiting celestron.com/cpcdeluxe



**ALLOWS VIEWING OR
IMAGING ACROSS THE
MERIDIAN without
interference from the
motor housings**



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

Item #	32054	32062	12079	22020	12035	12026	12031	12046	12067	12032
MODEL NAME	Advanced VX 6" Newtonian	Advanced VX 8" Newtonian	Advanced VX 6" SCT	Advanced VX 6" Refractor	Advanced VX 7" Mak-Cassegrain	Advanced VX 8" SCT	Advanced VX 8" EdgeHD	Advanced VX 9.25" SCT	Advanced VX 11" SCT	Advanced VX RASA 8"
OPTICAL DESIGN / APERTURE	Newtonian Reflector 150mm (6")	Newtonian Reflector 200mm (8")	Schmidt-Cassegrain / 150mm (6")	Refractor / 150mm (6")	Maksutov-Cassegrain 180mm (7")	Schmidt-Cassegrain / 203mm (8")	EdgeHD 8" / 203mm (8")	Schmidt-Cassegrain / 235mm (9.25")	Schmidt-Cassegrain / 280mm (11")	Rowe-Ackermann Schmidt Astrograph / 200mm (8")
FOCAL LENGTH / FOCAL RATIO	750mm / f/5	1000mm / f/5	1500mm / f/10	1200mm / f/8	2700mm / f/15	2032mm / f/10	2032mm / f/10	2350mm / f/10	2800mm / f/10	400mm / f/2
WEIGHT	56 lb	71 lb	56 lb	76 lb	47 lb	59 lb	59 lb	77 lb	95 lb	47 lb

Learn more about Advanced VX by visiting celestron.com/advancedvx

CGEM™ II

SERIES



StarBright® XLT
COATINGS



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



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.

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

Item #	12010	12010	12011	12012	12017	12018	12019	12020
MODEL NAME	CGEM II 700	CGEM II 800	CGEM II 925	CGEM II 1100	CGEM II 800 EdgeHD	CGEM II 925 EdgeHD	CGEM II 1100 EdgeHD	CGEM II 800 RASA
OPTICAL DESIGN / APERTURE	Maksutov-Cassegrain / 180mm (7")	Schmidt-Cassegrain / 203mm (8")	Schmidt-Cassegrain / 235mm (9.25")	Schmidt-Cassegrain / 280mm (11")	EdgeHD / 203.2mm (8")	EdgeHD / 235mm (9.25")	EdgeHD / 279mm (11")	Rowe-Ackermann Schmidt Astrograph / 200mm (8")
FOCAL LENGTH / FOCAL RATIO	2700mm / f/15	2032mm / f/10	2350mm / f/10	2800mm / f/10	2032mm / f/10	2350mm / f/10	2800mm / f/10	400mm / f/2

Learn more about CGEM II by visiting celestron.com/cgem2

CGXTM

SERIES



StarBright[®] XLT
COATINGS



ALL-NEW DESIGN -
55-lb load capacity and
increased rigidity



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 astroimagers, 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

Item #	12049	12050	12051	12052	12055	12056	12057	12058	12059
MODEL NAME	CGX 7"	CGX 8" SCT	CGX 9.25" SCT	CGX 11" SCT	CGX 8" EdgeHD	CGX 9.25" EdgeHD	CGX 11" EdgeHD	CGX 8" RASA	CGX 11" RASA
OPTICAL DESIGN / APERTURE	Maksutov-Cassegrain / 180mm (7")	Schmidt-Cassegrain / 203mm (8")	Schmidt-Cassegrain / 235mm (9.25")	Schmidt-Cassegrain / 280mm (11")	EdgeHD 8" / 203mm (8")	EdgeHD / 235mm (9.25")	EdgeHD / 279mm (11")	Rowe-Ackermann Schmidt Astrograph / 279mm (11")	Rowe-Ackermann Schmidt Astrograph / 279mm (11")
FOCAL LENGTH / FOCAL RATIO	2700mm / f/15	2032mm / f/10	2350mm / f/10	2800mm / f/10	2032mm / f/10	2350mm / f/10	2800mm / f/10	400mm / f/2	620mm / f/2.2

Learn more about CGX by visiting celestron.com/cgx

CGX-LTM SERIES



StarBright® XLT
COATINGS

**LARGER
WORM WHEELS**
to accurately drive
heavier loads

Celestron's CGX-L is the our flagship German equatorial mount, the newest member of our fully computerized German Equatorial mount series, capable of carrying Celestron's 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.

KEY FEATURES

- + Massive 75-lb load capacity, perfect for remote observatory operation
- + Heavy-duty 70mm steel tripod legs with a wider and more stable stance
- + Larger 144mm diameter worm wheels to better and more accurately drive heavier loads
- + Internal cabling—power and lower accessory ports do not move with mount
- + Improved ergonomics with smoother polar align adjustments and intuitive carry handles
- + Home and limit sensors, 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: 52 lb, tripod weight: 46 lb

Item #	12070	12071	12072	12075	12076	12077	12078
MODEL NAME	CGX-L 9.25" SCT	CGX-L 11" SCT	CGX-L 14" SCT	CGX-L 9.25" EdgeHD	CGX-L 11" EdgeHD	CGX-L 14" EdgeHD	CGX-L 11" RASA
OPTICAL DESIGN / APERTURE	Schmidt-Cassegrain / 235mm (9.25")	Schmidt-Cassegrain / 280mm (11")	Schmidt-Cassegrain / 356mm (14")	EdgeHD / 235mm (9.25")	EdgeHD / 279mm (11")	EdgeHD / 356mm (14")	Rowe-Ackermann Schmidt Astrograph / 279mm (11")
FOCAL LENGTH / FOCAL RATIO	2350mm / f/10	2350mm / f/10	3910mm / f/11	2032mm / f/10	2350mm / f/10	3910mm / f/11	620mm / f/2.2

Learn more about CGX-L by visiting celestron.com/cgx-l

ROWE-ACKERMANN SCHMIDT ASTROGRAPH (RASA)



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.



OBJECT: NGC7000
IMAGER: Christoph Kaltseis
TELESCOPE: RASA 36 cm
CAMERA: Nikon D850 with ISO400

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.

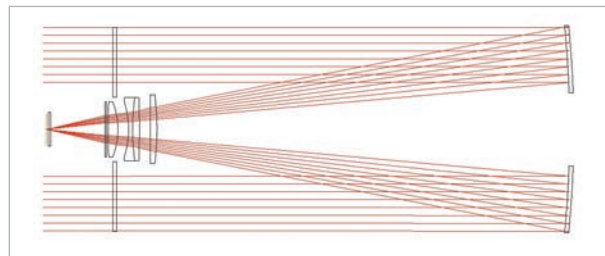
*11" and 36 cm only



NGC6188 Fighting Dragons of Ara by Dylan O'Donnell with RASA 8



M45 Pleiades Star Cluster by Richard Berry with RASA 11



Inventor Dave Rowe and optical engineer Mark Ackermann collaborated to create the Rowe-Ackermann Schmidt Astrograph's unique optical design.

Item #	91073	91076	91077
Model Name	Rowe-Ackermann f/2.0 Schmidt Astrograph 8	Rowe-Ackermann f/2.2 Schmidt Astrograph 11 V2	Rowe-Ackermann f/2.2 Schmidt Astrograph 36 cm
Optical Design/Aperture	Rowe-Ackermann Schmidt Astrograph / 203mm (8")	Rowe-Ackermann Schmidt Astrograph / 279mm (10.98")	Rowe-Ackermann Schmidt Astrograph / 355.6mm (14")
Focal Length / Focal Ratio	400mm / f/2.0	620mm / f/2.2	790mm / f/2.2
Weight	17 lb	34 lb	75 lb
Central Obstruction	46%	41%	46%
Wavelength Range	390-800 nm	400-700 nm	400-900 nm
Image Circle	22mm	43.3mm	60.1mm
Image Circle FOV	3.2 degrees	4.0 degrees	4.4 degrees
Usable Field	32mm	52mm	70mm
Focuser	Ultra-Stable Focusing System	Ultra-Stable Focusing System	Ultra-Stable Focusing System
Cooling Fan	High-output 12V MagLev fan	High-output 12V MagLev fan	High-output 12V MagLev fan
Overcoat Bars Included	Bottom of tube (top bar is available as an accessory)	Top and bottom	Top and Bottom
Included Camera Adapters	M42 and C-thread adapters	M42 and M48 adapters	M48 adapter

Learn more about Rowe-Ackermann Schmidt Astrograph by visiting 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.



Advanced VX Mount

CGEM II Computerized Mount

MODEL	ITEM #	PAYLOAD CAPACITY	WEIGHT
Advanced VX Mount	91519	up to 28 lb	45 lb
CGEM II Computerized Mount	91523	up to 40 lb	77 lb



CGX Computerized Mount

CGX-L Computerized Mount

MODEL	ITEM #	DESCRIPTION	WEIGHT
CGX Computerized Mount	91530	up to 55 lb	87.4 lb
CGX-L Computerized Mount	91531	up to 75 lb	98.8 lb

Learn more about Celestron Mounts by visiting [celestron.com/mounts](https://www.celestron.com/mounts)

EDGEHD™

OPTICS

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



Sculptor Galaxy by Dylan O'Donnell with EdgeHD 925



IC 405 Dancing Blue by Tony Hallas with EdgeHD 1100



NGC 3324 by Dylan O'Donnell with EdgeHD 925



Crab Nebula by Andre Paquette with EdgeHD 1400

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

EDGEHD™

OPTICAL TUBE ASSEMBLIES

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



MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	DOVETAIL	COATINGS	WEIGHT
EdgeHD 800	91031-XLT	203mm (8")	Edge HD	2032mm f/10	40mm (51x) Plössl	9x50	CG-5	StarBright XLT	14 lb
EdgeHD 800	91030-XLT	203mm (8")	Edge HD	2032mm f/10	40mm (51x) Plössl	9x50	CGE	StarBright XLT	14 lb
EdgeHD 9.25	91040-XLT	235mm (9.25")	Edge HD	2350mm f/10	23mm (102x) Luminos	9x50	CGE	StarBright XLT	21 lb
EdgeHD 1100	91050-XLT	279mm (11")	Edge HD	2800mm f/10	23mm (122x) Luminos	9x50	CGE	StarBright XLT	28 lb
EdgeHD 1400	91060-XLT	356mm (14")	Edge HD	3910mm f/11	23mm (170x) Luminos	9x50	CGE	StarBright XLT	46 lb

Learn more about Optical Tube Assemblies by visiting celestron.com/ota

SCHMIDT-CASSEGRAIN

OPTICAL TUBE ASSEMBLIES

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



MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	DOVETAIL	COATINGS	WEIGHT
C6-A (XLT)	91010-XLT	150mm (6")	Schmidt-Cassegrain	1500mm f/10	25mm (60x) Plössl	6x30	CG-5	StarBright XLT	10 lb
C8-A (XLT)	91024-XLT	200mm (8")	Schmidt-Cassegrain	2032mm f/10	25mm (81x) Plössl	6x30	CGE	StarBright XLT	12 lb
C8-A (XLT)	91020-XLT	200mm (8")	Schmidt-Cassegrain	2032mm f/10	25mm (81x) Plössl	6x30	CG-5	StarBright XLT	12 lb
C9.25-A (XLT)	91027-XLT	235mm (9.25")	Schmidt-Cassegrain	2350mm f/10	25mm (94x) Plössl	6x30	CGE	StarBright XLT	20 lb
C9.25-A (XLT)	91025-XLT	235mm (9.25")	Schmidt-Cassegrain	2350mm f/10	25mm (94x) Plössl	6x30	CG-5	StarBright XLT	20 lb
C11-A (XLT)	91036-XLT	279mm (11")	Schmidt-Cassegrain	2800mm f/10	40mm (70x) Plössl	9x50	CGE	StarBright XLT	27 lb
C11-A (XLT)	91067-XLT	279mm (11")	Schmidt-Cassegrain	2800mm f/10	40mm (70x) Plössl	9x50	CG-5	StarBright XLT	27 lb
C14-A (XLT)	91038-XLT	355mm (14")	Schmidt-Cassegrain	3910mm f/11	40mm (98x) Plössl	9x50	CGE	StarBright XLT	45 lb

Learn more about Optical Tube Assemblies by visiting celestron.com/ota

ASTROIMAGING

NEXIMAGE®

SOLAR SYSTEM IMAGERS

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.

- + 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.



Jupiter by Lance Lucero
taken with NexImage 10

NexYZ

3-AXIS UNIVERSAL SMARTPHONE ADAPTER

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



ACCESSORIES



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.



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! #93527



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



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 f-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

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 out 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



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



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



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



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 astrophotography and guarantees minimal vibration.

#93664



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 astrophotography powerhouses.

#93665



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



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