



 **CELESTRON**

ASTRONOMY

CATALOG 2023

TECHNOLOGICAL INNOVATION



SkyPortal

Celestron's SkyPortal Powered by SkySafari™ 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.

Starry Night®

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.



StarSense Explorer

StarSense Explorer's patented sky recognition technology has revolutionized the manual telescope. Using a specialized dock and smartphone app, StarSense Explorer analyzes star patterns overhead to calculate the telescope's position in real-time. The app tells you exactly which celestial objects are currently visible in the night sky and where to move your telescope to place those objects in the telescope's eyepiece.



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.



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 AutoAlign

With Celestron's patented StarSense technology, your telescope can align itself to the night sky! When you connect an accessory equipped with StarSense technology, it begins capturing images of star patterns overhead and matching 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.



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.

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.



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 sensor during astronomical imaging.

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.



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.

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.



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™

SERIES



SELECT MODELS INCLUDE
A SMARTPHONE ADAPTER
and Bluetooth remote
for capturing images
and video.



COMES WITH A CUSTOM
BACKPACK for travel and
storage.



The Celestron Travel Scope refractor telescope

is compact and portable, making it perfect for celestial or land-based observing on-the-go. You'll love how easy it is to transport and set up the Travel Scope, whether you're camping in the wilderness or just heading to your backyard. Each Travel Scope includes a backpack to keep the telescope and its accessories secure and organized. (Select models even include a smartphone adapter for capturing images through the scope!) With an easy-to-use, full-height tripod and mount, the Celestron Travel Scope series is an excellent choice for beginners and astronomers on the move.

KEY FEATURES

- + Refractor telescope with fully coated glass optics and a lightweight frame.
- + Custom backpack included to store your telescope and accessories comfortably.
- + Observe in no time with a quick and easy, no-tool setup.
- + Accessories include: eyepieces, a 45° erect image diagonal, a finderscope and a smartphone adapter and Bluetooth remote (select models).
- + Pan handle altazimuth control with clutch for smooth and accurate pointing.
- + Adjustable height tripod.
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies

ITEM #	21038	22002-DS	21035	22030	22007	22035
MODEL NAME	Travel Scope 50 Portable Telescope	Travel Scope 60 Refractor Telescope	Travel Scope 70 Portable Telescope	Travel Scope 80 Portable Telescope with Smartphone Adapter	Travel Scope 60 DX Portable Telescope with Smartphone Adapter	Travel Scope 70 DX Portable Telescope with Smartphone Adapter
OPTICAL DESIGN / APERTURE	Refractor / 50mm (2")	Refractor / 60mm (2.4")	Refractor / 70mm (2.8")	Refractor / 80mm (3.1")	Refractor / 60mm (2.4")	Refractor / 70mm (2.8")
FOCAL LENGTH / FOCAL RATIO	360mm (14.17") / f/7.2	360mm (14.17") / f/6	400mm (15.74") / f/5.7	400mm (15.74") / f/5	360mm (14.17") / f/6	400mm (15.74") / f/5.7
WEIGHT	2.2 lbs (1 kg)	3.8 lbs (1.5 kg)	3.3 lbs (1.5 kg)	4.2 lbs (1.9 kg)	5.5 lbs (2.49 kg)	3.3 lbs (1.5 kg)

Learn more about Travel Scope by visiting celestron.com/travelscope

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. 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, 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.

KEY FEATURES

- + High-quality tabletop Dobsonian with a 76mm reflector optical tube
- + Simple, portable telescope ideal for beginning astronomers and 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
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies

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
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies

*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 land-based and astronomical observing

PAN HANDLE ALTAZIMUTH 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, landscapes, and wildlife. No matter which AstroMaster LT you choose, you'll be able to explore 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 altazimuth mount
- + StarPointer™ red dot finderscope
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies.

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 MOUNT OFFERS
slow-motion controls and setting
circles to help you track sky objects

ALTAZIMUTH MOUNT FEATURES
a convenient pan handle with
built-in clutch



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 land-based targets. 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
- + StarPointer™ red dot finderscope, 1.25" star diagonal (refractors only), and two 1.25" eyepieces (20mm and 10mm)
- + Choose from an altazimuth or German equatorial mount, both on a pre-assembled steel tripod with accessory tray
- + Alt-azimuth and German equatorial mounts on rugged pre-assembled steel tripod with accessory tray
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies

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

INSPIRE™ SERIES



INTEGRATED SMARTPHONE ADAPTER, perfect for the budding astrophotographer



BUILT-IN ACCESSORY TRAY easily folds up with tripod



ILLUMINATE YOUR ACCESSORY TRAY with the built-in red LED flashlight.



Celestron has always been synonymous with inspired design. With the Inspire line, our engineers added some innovative features not found in other entry-level telescopes. Setup takes just a few moments thanks to the asymmetrical mount's lightweight and intuitive design. And once it's assembled, it's incredibly stable. We've built the accessory tray right into the tripod so it won't ever get lost. Inside the mount, you'll find a red LED light that you can use to illuminate the accessory tray or use as a handheld red flashlight. Most exciting of all, Inspire's lens cap doubles as a smartphone adapter so you can capture photos and video through the telescope's eyepiece without buying a separate piece of gear.

This telescope is sure to provide astronomy newbies with an incredible experience under the stars and inspire a lifelong hobby. And since it's a refractor, you can also use it for daytime observing of land-based targets like birds and wildlife.

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 you to quickly return to a specific focus point for specific targets
- + StarPointer™ Pro finderscope offers a large field of view to make navigating the night sky easy
- + Asymmetrical mount has tray built in, and is lightweight and incredibly stable
- + Erect image optics for easy viewing day or night

ITEM #	22403
MODEL NAME	Inspire 100AZ
OPTICAL DESIGN / APERTURE	Refractor / 100mm (3.9")
FOCAL LENGTH / FOCAL RATIO	660mm / f/6.5
WEIGHT	16 lb

Learn more about Inspire by visiting celestron.com/inspire



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 onscreen, guiding you as you to move the telescope. When the object is ready to view, the bullseye turns green.

KEY FEATURES

- + Patented StarSense sky recognition technology uses your smartphone to analyze star patterns overhead and calculate its exact pointing position.
- + StarSense Explorer Powered by SkySafari™ 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

StarSense Explorer™ DOB



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

Meet a new kind of Dobsonian with patented StarSense Explorer technology built in! It's the first Dobsonian that uses your smartphone to analyze the night sky and calculate its position in real-time. This large-aperture telescope is ideal for serious beginners, thanks to the app's user-friendly interface and detailed tutorials. It's like having your own personal tour guide of the night sky. The stable Dobsonian base provides a sturdy foundation with large diameter altitude bearings with variable tensioning, Teflon azimuth bearings, and braces on the side panels for extra stability.

The large 8" and 10" Newtonian reflector optical tubes offer enough light-gathering ability to bring out impressive detail in celestial objects while remaining remarkably portable. You can expect sharp, bright views of Jupiter's four Galilean moons, its cloud bands and Great Red Spot, the rings of Saturn, the gaseous glow of the Orion Nebula, dust lanes in the Lagoon Nebula, and our neighbor galaxy, Andromeda. All mirror surfaces are coated with our XLT optical coatings to visibly increase contrast and light throughput for brighter views.

KEY FEATURES

- + Massive 8" and 10" primary mirrors offer the most light-gathering ability in the StarSense Explorer lineup, so you can see faint, deep-sky objects.
- + Patented StarSense sky recognition technology uses your smartphone to analyze star patterns overhead and calculate its exact pointing position.
- + StarSense Explorer Powered by SkySafari™ app automatically generates a list of objects currently visible.
- + Manual Dobsonian base makes it easy to follow the onscreen arrows to your desired target. When the bullseye turns green, it's ready to view in the telescope's eyepiece.
- + Includes a 25mm Plossl eyepiece, 2" Crayford focuser, StarSense smartphone dock, a red dot finderscope (in case you want to use the telescope without your phone), and a sturdy, Dobsonian base.

ITEM #	22470	22471
MODEL NAME	StarSense Explorer 8" Smartphone App-Enabled Dobsonian Telescope	StarSense Explorer 10" Smartphone App-Enabled Dobsonian Telescope
OPTICAL DESIGN / APERTURE	203mm (8")	254mm (10")
FOCAL LENGTH / FOCAL RATIO	1200mm (47.24")	1200mm (47.24")
WEIGHT	20.6 lb (9.34 kg)	29.2 lb (13.24 kg)

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

OmniXLT[®]

SERIES



CG-4 GERMAN EQUATORIAL MOUNT
with setting circles and slow motion
controls to accurately locate and
track sky objects



StarBright[®] XLT
COATINGS



High-quality optics meet elegant design in the Omni XLT series. The Omni XLT series features the stable platform of the CG-4 mount and high quality optics. Using aspheric shaping technology in conjunction with hand-figuring the optics, the Omni XLT presents an image with virtually no spherical aberration.

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
- + 6x30 finderscope
- + Sturdy pre-assembled steel tripod with accessory tray
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies

ITEM #	21088	21090	31057
MODEL NAME	Omni XLT 102	Omni XLT 120	Omni XLT 150
OPTICAL DESIGN / APERTURE	Refractor / 102mm (4")	Refractor / 120mm (4.7")	Newtonian Reflector / 150mm (6")
FOCAL LENGTH / FOCAL RATIO	1000mm / f/10	1000mm / f/8.3	750mm / f/5
WEIGHT	43 lb	46 lb	45.5 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 commanding this computerized telescope to slew to 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

- + Newtonian reflector optical tube with coated all-glass optics
- + SkyAlign alignment technology
- + Lightweight computerized altazimuth mount with 4,000-object database and flash-upgradeable NexStar+ hand control
- + StarPointer™ red dot finderscope, 1.25" star diagonal (refractors only), and two 1.25" eyepieces (25mm and 9mm)
- + Pre-assembled aluminum tripod with accessory tray
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies
- + Powered by 8x AA batteries* or optional external power supply

*Batteries not included

ITEM #	31150
MODEL NAME	114LCM
OPTICAL DESIGN / APERTURE	Newtonian Reflector / 114mm (4.5")
FOCAL LENGTH / FOCAL RATIO	1000mm / f/8.8
WEIGHT	15 lb

Learn more about LCM by visiting celestron.com/lcm

ASTRO FITM SERIES



INCLUDES A UNIVERSAL
SMARTPHONE ADAPTER

Easy as 1-2-3!
SkyAlign
Revolutionary Alignment Technology

WiFi
READY



CONTROL YOUR TELESCOPE VIA
INTEGRATED WiFi using the free
Celestron Celestron SkyPortal
Powered by SkySafariTM app for
iPhone, iPad, and Android devices



Explore the sky in WiFi with Celestron's innovative Astro Fi. A perfect beginner or intermediate level telescope, Astro Fi is changing the way we experience the night sky. 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, 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 SkyPortal planetarium 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
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies

*Batteries not included

ITEM #	22201	22202	22203
MODEL NAME	Astro Fi 90	Astro Fi 102	Astro Fi 130
OPTICAL DESIGN / APERTURE	Refractor / 90mm (3.54")	Maksutov-Cassegrain / 102mm (4")	Newtonian Reflector / 130mm (5")
FOCAL LENGTH / FOCAL RATIO	910mm (36") / f/10.1	1325mm / f/13	650mm / f/5
WEIGHT	15 lb (6.8 kg)	16 lb (7.25 kg)	18 lb (8.16 kg)

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

NexStar SLT

SERIES



FULLY COMPUTERIZED
altazimuth 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 altazimuth 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
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies
- + Powered by 8x AA batteries** or optional external power supply

*Not included with NexStar 130 SLT Newtonian reflector

**Batteries not included

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

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

NexStar[®] SE S E R I E S



**MULTIPLE OPTICAL TUBE SIZES
for every astronomer**



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 precision computerized altazimuth 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 is sure to delight astronomers of all experience levels.

KEY FEATURES

- + Maksutov-Cassegrain and Schmidt-Cassegrain optical tubes with StarBright XLT optical coatings
- + SkyAlign alignment technology
- + Computerized altazimuth 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
- + Includes a free download of Starry Night Celestron Software with a 36,000-object database, printable sky maps and 3D renderings of stars, exoplanets, and galaxies

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



LiFeP⁴



StarBright[®] XLT
COATINGS



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



Celestron's signature telescopes has evolved with NexStar Evolution, the first Schmidt-Cassegrain telescope 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 app, so you're ready to observe in 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 SkyPortal 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 a 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
Celestron SkyPortal Powered
by SkySafari™ app for complete
wireless control



Bundle your NexStar Evolution telescope with 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. You'll also find 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, you can be ready to observe 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.

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

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
- + The included AutoAlign automatically aligns your telescope and works with the SkyPortal app for complete wireless control
- + 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
- + 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, a USB charge port, tray lighting for your accessories, and more

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

CPCTM SERIES



StarBright® XLT
COATINGS



FULLY COMPUTERIZED DUAL
FORK ARM altazimuth 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. Thoughtful ergonomic design makes setting up and breaking down your CPC quick and easy. Imagers can place the CPC dual fork arm mount on an optional HD Pro Wedge to polar align it for long-exposure astrophotography.

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 the 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



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, primary mirror support clutches, and cooling vents
- + 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
- + 8" model includes a 9x50 finderscope, 1.25" star diagonal, and 40mm Plössl eyepiece
- + 9.25" and 11" models include a 9x50 finderscope, 2" star diagonal, and 23mm Luminos eyepiece
- + 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



**OBSERVE OR IMAGE
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 you to attach 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
- + Observe or image across the meridian without interference from the motor's housings—can be used between 7° -77° latitude
- + Includes a 6x30 or 9x50 finderscope and 1.25" eyepiece (varies with model)
- + Steel tripod with accessory tray

ITEM #	91519	32054	32062	12079	22020	12035	12026	12031	12046	12067	12032
MODEL NAME	Advanced VX Mount and Tripod	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	n/a	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	n/a	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	47 lb	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
accommodates both small
and large 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 you to attach 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 gear's 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 weight: 40 lb, tripod weight: 20 lb

ITEM #	91523	12016	12010	12011	12012	12017	12018	12019	12020
MODEL NAME	CGEM II EQ Mount and Tripod	CGEM II 700	CGEM II 800	CGEM II 925	CGEM II 1100	CGEM II 800 EdgeHD	CGEM II 92 EdgeHD	CGEM II 1100 EdgeHD	CGEM II 800 RASA
OPTICAL DESIGN / APERTURE	n/a	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	n/a	2700mm / f/15	2032mm / f/10	2350mm / f/10	2800mm / f/10	2032mm / f/10	2350mm / f/10	2800mm / f/10	400mm / f/2
WEIGHT	78 lb	90.5 lb	90.5 lb	99 lb	106 lb	92 lb	99 lb	106 lb	95 lb

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

CGXTM

SERIES



StarBright® XLT
COATINGS



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



Celestron's engineering team applied their years of experience designing German equatorial mounts to the 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 state-of-the-art with the 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 Module and StarSense AutoAlign accessories
- + Mount weight: 44 lb, tripod weight: 19.2 lb

ITEM #	91530	12049	12050	12051	12052	12055	12056	12057	12058	12059
MODEL NAME	CGX Equatorial Mount and Tripod	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	n/a	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	n/a	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
WEIGHT	85.2 lb	104.2 lb	97.7 lb	105.2 lb	123.7 lb	99.2 lb	106.2 lb	124.2 lb	124.2 lb	150.2 lb

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 our flagship **German equatorial mount**, 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 Module and StarSense AutoAlign accessories
- + Mount weight: 52 lb, tripod weight: 46 lb

ITEM #	91531	12070	12071	12072	12075	12076	12077	12078
MODEL NAME	CGX-L Equatorial Mount and Tripod	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	n/a	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	n/a	2350mm / f/10	2350mm / f/10	3910mm / f/11	2032mm / f/10	2350mm / f/10	3910mm / f/11	620mm / f/2.2
WEIGHT	120.8 lb	140.8 lb	170.3 lb	210.8 lb	141.8 lb	170.8 lb	210.8 lb	185.8 lb

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.



StarBright® XLT
COATINGS

ROWE-ACKERMANN
SCHMIDT ASTROGRAPH



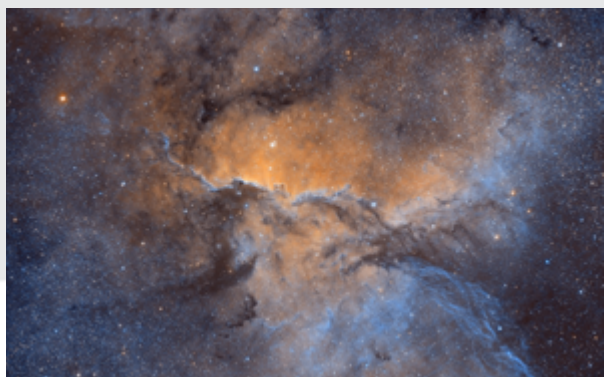
OBJECT: NGC7000
IMAGER: Christoph Kaltseis
TELESCOPE: RASA 36 cm
CAMERA: Nikon D850 with ISO400

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 custom 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.

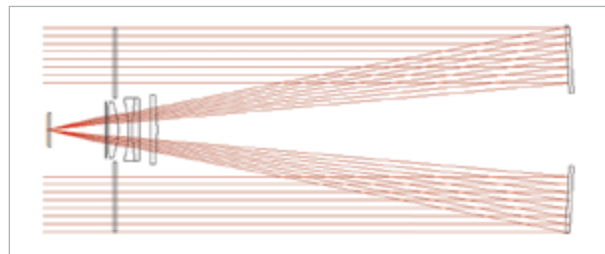
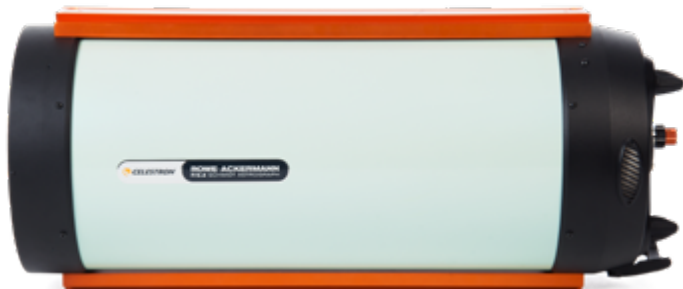
*11" and 36 cm only



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
DOVETAIL 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

SKYMASTER®



TRIPOD ADAPTABLE for steady, hands-free viewing



Amateur astronomers have scanned the night sky with Celestron astronomy binoculars for generations. Our earliest models date back to the 1970s and include product lines like the Celestron Classic, Celestron Nova, and Celestron Giant binoculars. Celestron's engineering team built on these designs to create the now-iconic SkyMaster series in the 1990s. (With the Giant binoculars as an early predecessor, you could say that the SkyMaster stands on the shoulders of Giants!)

Today, you'll find SkyMaster binoculars in the field at just about every public star party and outreach event. They're a great way to get started in the hobby. Simply pick up a pair and explore the Universe!

KEY FEATURES

- + Large objective lenses offer excellent light-gathering ability—perfect for astronomy
- + BaK-4 prisms and fully multi-coated optics boost light transmission through the optical path
- + The widely spaced objective lenses of the Porro prism optical design provide an enhanced, 3-D view
- + Eyeglass-friendly with generous eye relief and foldable rubber eyecups
- + Durable rubber-armored housing
- + Tripod-adaptable

ITEM #	71007	71009	71008	71018	71017	71013	71021
MODEL NAME	SkyMaster 12x60	SkyMaster 15x70	SkyMaster 25x70	SkyMaster 20x80	SkyMaster 25x100	SkyMaster 15-35x70	SkyMaster 18-40x80
EYE RELIEF	17mm (.67")	18mm (.71")	13mm (.51")	18mm (.71")	15mm (.59")	20.3mm @15x	20.3mm @18x
WEIGHT	51 oz (1450 g)	48 oz (1361 g)	52 oz (1474 g)	75 oz (2126 g)	140 oz (3969 g)	53 oz (1503 g)	76 oz (2155 g)

Learn more about SkyMaster by visiting celestron.com/skymaster

SKYMASTER[®] PRO

SERIES



INCLUDES A REMOVABLE RSR RAIL for attaching an optional red dot finderscope.*



* ONLY AVAILABLE ON SKYMASTER PRO 20x80

SkyMaster Pro binoculars are the ideal choice for amateur astronomers or anyone that observes at great distances. Compared to lower-priced binoculars, SkyMaster Pro uses superior optics, coatings, internal parts and housing materials. With large objective lenses, BaK-4 prisms and fully multi-coated optics utilizing Celestron's proprietary XLT coating technology, the view through a SkyMaster Pro is second to none at this price point.

The tripod adapter included with the SkyMaster Pro not only allows the binocular to be attached to a tripod for added stability during longer viewing sessions, but also includes a removable rail for attaching a red dot finderscope. The fully waterproof and nitrogen purged housing provides peace of mind when unexpected weather rolls in. And with SkyMaster Pro, you get 17mm of eye relief for comfortable viewing with or without eyeglasses and maximum light throughput for dark-adapted eyes.

KEY FEATURES

- + Large 70mm and 80mm objective lenses for excellent light gathering in low light conditions or for astronomical observing
- + Detachable RSR (reflex sight-ready) rail for attaching an optional red dot finderscope
- + Rubber armored for improved ergonomics and protection from every day use in the field
- + Waterproof and nitrogen purged for use in all weather conditions
- + Eyeglass-friendly with generous eye relief and interchangeable foldable rubber eyecups

ITEM #	72030	72031
MODEL NAME	SkyMaster Pro 15x70	SkyMaster Pro 20x80
EYE RELIEF	17mm (.67")	15.5mm (.61")
WEIGHT	51 oz (1450 g)	86.4 oz (2449 g)

Learn more about SkyMaster by visiting celestron.com/skymaster

SKYMASTER[®] PRO SERIES



THREADED EYEPIECES
Accept 1.25"
Astronomical Filters
Filters not included

PROPRIETARY XLT
fully multi-coated
technology for improved
image quality



Nearly 30 years after the launch of the original SkyMaster, Celestron's team of engineers, industrial designers, and expert astronomers set about reimagining binocular astronomy for 2023.

Built specifically with astronomers in mind, SkyMaster Pro ED incorporates Extra-low Dispersion (ED) glass objective lenses—a special type of glass hailed for its superior light management and image presentation. We've added our XLT optical coatings—the same ones you'll find on our observatory-class telescopes—to aid in light transmission. Finally, the eyepieces accommodate the standard 1.25" astronomical eyepiece filters that many astronomers already have in their collections. Three models cover the range of astronomical use: a compact 7x50, the workhorse 15x70, and the 20x80 high-magnification powerhouse.

KEY FEATURES

- + Extra-low dispersion (ED) glass virtually eliminates chromatic aberration (color fringing) and other optical defects
- + Threaded eyepieces accept all standard 1.25" astronomical eyepiece filters to bring out details or reduce the effects of light pollution
- + BaK-4 prisms and fully multi-coated optics with XLT coatings boost light transmission through the optical path for brighter, more detailed images
- + Large objective lenses offer excellent light-gathering ability—perfect for astronomy
- + The widely spaced objective lenses of the Porro prism optical design provide an enhanced, 3-D view
- + Eyeglass-friendly with generous eye relief and padded twist-up eyecups
- + Durable rubber-armored housing with improved ergonomics
- + Tripod-adaptable

ITEM #	72033	72034	72035
MODEL NAME	SkyMaster PRO ED 7x50	SkyMaster PRO ED 15x70	SkyMaster PRO ED 20x80
EYE RELIEF	20.8 mm	15.7 mm	15.4 mm
WEIGHT	44.3 oz (1,255 g)	73.7 oz (2,089 g)	123.2 oz (3,492 g)

Learn more about SkyMaster by visiting celestron.com/skymaster

GERMAN EQUATORIAL MOUNTS AT A GLANCE

As you design 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

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



CGX Computerized Mount

CGX-L Computerized Mount

MODEL	ITEM #	PAYLOAD CAPACITY	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 increasingly 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", 9.25", 11" and 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 things you can do with your telescope. EdgeHD optics produce results that were only attainable by professional level (and professionally priced!) equipment as little as a decade ago.

**EDGEHD
OPTICS**

Learn more about EdgeHD by visiting celestron.com/edgehd

EDGEHD™

OPTICAL TUBES

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 Key Features

- + Flat-field aplanatic Schmidt optical system 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 included
- + 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")	EdgeHD	2032mm f/10	40mm (51x) Plössl	9x50	CG-5	StarBright XLT	14 lb
EdgeHD 800	91030-XLT	203mm (8")	EdgeHD	2032mm f/10	40mm (51x) Plössl	9x50	CGE	StarBright XLT	14 lb
EdgeHD 9.25	91040-XLT	235mm (9.25")	EdgeHD	2350mm f/10	23mm (102x) Luminos	9x50	CGE	StarBright XLT	21 lb
EdgeHD 1100	91050-XLT	279mm (11")	EdgeHD	2800mm f/10	23mm (122x) Luminos	9x50	CGE	StarBright XLT	28 lb
EdgeHD 1400	91060-XLT	356mm (14")	EdgeHD	3910mm f/11	23mm (170x) Luminos	9x50	CGE	StarBright XLT	46 lb

Learn more about EdgeHD by visiting celestron.com/edgehd

SCHMIDT-CASSEGRAIN

OPTICAL TUBES

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 tubes 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 tubes 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 imager replaces the 1.25" eyepiece on your telescope and connects to your PC via USB port
- + 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



Nex-GO®

UNIVERSAL SMARTPHONE ADAPTER

A great first step into the world of astroimaging or digiscoping, NexGO has everything you need to capture sharp, detailed images and video.

- + Works with most optics including telescopes (with most 1.25" eyepieces)
- + Features two directional knobs (X-, and Y- axis) that perfectly align your phone's camera with the eyepiece in seconds.
- + Charge your phone during use.



Learn more about telescope accessories by visiting celestron.com/telescope-accessories

DEW PREVENTION



ALUMINUM DEW SHIELD WITH COVER CAP prevents dew, stray light, and glare from ruining your view.

ALUMINUM DEW SHIELD WITH COVER CAP

- + Helps prevent dew formation on the Schmidt corrector lens
- + Prevents off-axis glare from entering the optical system
- + Rigid body with a velvet-lined interior surface to reduce stray light
- + Cable management at the base of the shield easily accommodates the Fastar/Hyperstar configuration or Celestron Dew Heater Rings
- + An included cover cap keeps your telescope free from dust when not in use and works great for capturing dark frames
- + Available for 6"-14" Schmidt-Cassegrain, EdgeHD, and RASA

FLEXIBLE DEW SHIELD

- + Helps prevent dew formation on the Schmidt corrector lens
- + Prevents off-axis glare from entering the optical system
- + Flexible-yet-strong PE plastic can be rolled up for compact storage
- + Extra padding at the tube attachment edge for a more secure fit on your telescope tube
- + Cutout accommodates telescope dovetail rails
- + Available for 6"-14" Schmidt-Cassegrain, EdgeHD, and RASA



Learn more about dew prevention by visiting celestron.com/dew

DEW HEATER RING

Replaces your telescope's retaining ring to apply heat directly to the corrector lens—more efficient than bands or strips. Available for 5"-14" Schmidt-Cassegrain, EdgeHD, and RASA

- + Permanently mounts to your existing telescope tube for a seamless look—plus, you'll never forget to bring it with you.
- + Included storage clip and cable management clip keep your cables organized



SMART DEWHEATER CONTROLLER 2X

Work smarter, not harder, when it comes to combating dew. The Smart DewHeater and Controller 2x prolongs your battery life by optimizing power usage for up to two dew heaters.

- + Using real-time data, the controller provides just enough heat to prevent dew from forming, prolonging battery life
- + "Smart control" system monitors ambient temperature and humidity and adjusts power to the dew heaters automatically
- + Compatible with Celestron Dew Heater Rings and third-party heating bands or straps (with thermistor accessory)



SMART DEWHEATER CONTROLLER 4X

Provides the same smart control for up to four dew heaters PLUS power management for your entire setup including an integrated USB 3.2 hub.

- + Using real-time data, the controller provides just enough heat to prevent dew from forming, prolonging battery life
- + "Smart control" system monitors ambient temperature and humidity and adjusts power to four dew heaters automatically
- + Compatible with Celestron Dew Heater Rings and third-party heating bands or straps (with thermistor accessory)



THERMISTOR

Take the guesswork out of using third-party heating bands or straps and increase your power efficiency with the Celestron Thermistor for Smart DewHeater Controllers.

- + Works in conjunction with Celestron's Smart DewHeater Controllers to allow "smart" control of third-party dew heaters
- + Regulates heating bands or straps to conserve power by only delivering enough heat to the optics to prevent dew
- + Sealed tip positioned under the heating band or strap provides accurate temperature readings



ACCESSORIES



E-Lux Eyepieces

Traditional Plössl design with fully coated lenses and a 56° apparent field of view. Sizes: 26mm (2"), 32mm (2"), and 40mm (2").



Ultima Edge Eyepieces

See the whole picture with Ultima Edge. These flat-field eyepieces were designed to provide an ultra-sharp image from the center all the way to the edge of the field. These eyepieces feature a generous field of view, fully multi-coated optics and a 5-element lens design, maximizing light transmission. Available in 1.25" format. Sizes: 10mm, 15mm, 18mm, 24mm, and 30mm.



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"), and 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, and 40mm



Barlow Lenses

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



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. Designed specifically for CGX and CGX-L, the bracket angle is adjustable to accommodate the best viewing angle for your setup. #94239



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



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



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

Telescope Bags



Celestron's line of rugged telescope bags are the perfect choice for transporting your telescope kit, OTA or tripod anywhere, with ease and confidence. The outer layer is constructed from thick 900 denier polyester. The internal walls are a softer polyester blend that are stuffed with 16mm thick, gear protecting EPA foam, so you can feel safely protected from any bumps or scratches when on the go.

- 40" Telescope Bag #: 94025
- 34" Tripod Bag #: 94028
- Padded Telescope Bag for 8" Optical Tubes #94026
- Padded Telescope Bag for 9.25" Optical Tubes #94030
- Padded Telescope Bag for 11" Optical Tubes #94027



StarSense AutoAlign

Give your favorite telescope 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



StarSense AutoGuider

Unlock your mount's potential with StarSense automatic alignment, Precise GoTo, autoguiding for astrophotography, and assisted polar alignment. This all-in-one accessory replaces an autoguiding camera, guidescope, and computer. The device features an onboard computer and a high-quality, 4-element optical design by famed optical engineer Mark Ackermann.

#94008



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

And an equatorial wedge to your NexStar SE or NexStar Evolution to take longer exposure astrophotographs or use an autoguider. The Wedge for NexStar Evolution and SE 6/8 mounts turns our venerable single fork arm telescopes into portable astrophotography powerhouses.

#93665

Telescope Carrying Cases

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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2835 Columbia Street, Torrance, CA 90503 USA

04-23



SPORT OPTICS

BINOCULARS • SPOTTING SCOPES • ACCESSORIES





GRANITE™

AT THE APEX OF OPTICAL AND MECHANICAL design is Granite ED, Celestron's top performing, award-winning roof prism binoculars featuring Extra-Low Dispersion (ED) glass for edge-to-edge sharpness and color correctness virtually free of chromatic aberration. Choose Granite for rock-solid performance.

8X42	#71370	10X50	#71374
10X42	#71372	12X50	#71376



TRAILSEEKER™

THE INSPIRATION FOR TRAILSEEKER was simple: create a roof prism binocular that bests its competitors in weight, sleekness, and optical performance. Waterproof and nitrogen purged with fully multi-coated optics for the clearest, sharpest images possible. Seek your trail with high-level outdoor performance at an affordable price.

8X32	#71400	8X42	#71404
10X32	#71402	10X42	#71406

Outland® X

NO FUSS, NO MUSS – Outland X epitomize “get right down to business” binoculars with sleek styling and a versatile range of magnifications for every outdoor enthusiast.

8X25	#71340	10X42	#71347
10X25	#71341	10X50	#71348
8X42	#71346		



NATUREDX

HAILED AS THE TOP ENTRY-LEVEL binocular in the market by Cornell Lab of Ornithology, Nature DX inspires outdoor adventure in explorers of all ages. Whether it's watching birds or hiking trails, this feature packed line offers exceptional value.

8X32	#71330	10X42	#71333
10X32	#71331	10X56	#71335
8X42	#71332	12X56	#71336

MONOCULAR 10X25 #71210



ECHELON™

SERIOUS OBSERVATION REQUIRES A SERIOUS BINOCULAR

Designed to meet the long-distance viewing needs of law enforcement agents, Echelon binoculars offer Celestron's proprietary XLT coated lens system for bright, detailed observations and a durable, heavily armored body capable of standing up to the most demanding field conditions.

20X70 #71454



COMETRON™

CELESTRON CREATED THE FIRST COMETRON

product for viewing the passing of Halley's Comet in 1986. While that memorable comet is now far out into space, there's always another one promising to light up the sky. Cometron binoculars continue to be the optics of choice for providing bright, expansive views of one of the best shows on Earth.

7X50 #71198



SKYMASTER®

A FAVORITE OF AMATEUR ASTRONOMERS

the world over, explore the night sky with our bestselling SkyMaster series. These affordable large-aperture binoculars meet the special demands of astronomical and long-distance terrestrial viewing. A tripod adapter is included to allow for extended use and excellent depth of field views without the need for constant refocusing (excluding 12x60 model).

12X60	#71007	20X80	#71018	18-40X80	#71021
15X70	#71009	25X100	#71017		
25X70	#71008	15-35X70	#71013		



SKYMASTER® DX

EXCEPTIONALLY BRIGHT AND STABLE to hold thanks to their lower magnification levels and large objective lenses, the SkyMaster DX effortlessly transitions between astronomical and terrestrial viewing. Waterproof and fully multi-coated for a step up from the base SkyMaster models.

8X56	#72022
9X63	#72023



SKYMASTER® PRO

CELESTRON'S SKYMASTER BINOCULARS HAVE LONG BEEN THE MOST POPULAR high

magnification binoculars for astronomical and long-distance terrestrial viewing. We took everything that has made SkyMaster successful and built upon it. The result is the SkyMaster Pro. Better construction, our highest quality optics, friendly to beginners and budgets, yet powerful enough to meet the needs of accomplished star gazers for an unrivaled observing experience. Tripod adapter included.

15X70	#72030
20X80	#72031





CAVALRY

“MAKE ‘EM TOUGH.” When we asked military personnel and law enforcement officers about what they wanted in a binocular, that’s what they said. So that’s what we did. A tough armored exterior and solid construction for dependability in the line of duty.

7X50 GPS	#71422
10X50	#71424
15X70	#71426

Tripod not included

Oceana[®]

CHART THE COURSE for your next adventure with Oceana, our fully waterproof, high-performance binocular that effortlessly travels from sea odyssey to land excursion with built-in technical features like an illuminated compass, reticle, and calculator dial for quickly measuring the size and distance of objects.

7X50 MARINE	#71189-A
7X50 MILITARY	#71189-B
MONOCULAR 8X42	#71212



UPCLOSE® G2

RIGHT ON THE SIDELINES, in the bleachers, or way up in the nose-bleed seats, getting a close-up look at the action always adds to the enjoyment of any event. That's the inspiration for the name of our most popular all-around binocular family. Get "UpClose" and never miss a moment.

8X21	#71230-Roof	10X50	#71256-Porro
10X25	#71232-Roof	20X50	#71258-Porro
16X32	#71234-Roof	10-30X50	#71260-Porro
7X35	#71250-Porro	MONOCULAR 10X25 #71213	
8X40	#71252-Porro		



MONOCULARS

WHEN A FULL-SIZED OR EVEN COMPACT binocular might not be convenient to carry, there is always room for a capable monocular. Compact, light, and powerful.

NATURE 10X25	#71210
OCEANA 8X42	#71212
UPCLOSE G2 10X25	#71213



Regal™ M2

FULLY DESERVING OF THEIR ROYAL TITLE, the Regal M2 series reigns supreme. Our flagship spotting scope line offers rock solid construction, premium ED glass, and all the features found on more expensive scopes, plus industry-leading cost performance.

16-48X65	#52304	22-67X100	#52306
20-60X80	#52305		



TRAILSEEKER™

ANY SPOTTING SCOPE WORTHY OF SHARING

the name of our TrailSeeker binoculars needed to live up to the same high standards. By no means an easy feat. For unrivaled outdoor performance at an affordable price, trust TrailSeeker to deliver crisp views and other high-end features packed into a lightweight and durable frame.

65 - 45°	#52330	65 - straight	#52331
80 - 45°	#52332	80 - straight	#52333
100 - 45°	#52334	100 - straight	#52335



HUMMINGBIRD™

AN INSTANT CLASSIC, HUMMINGBIRD

is at home in the backyard as it is on long trips when packing light is essential. Weighing in at just over a pound and with a magnification range spanning those of both field binoculars and traditional spotting scopes, making it easy to use either hand-held, or on a monopod or tripod, the Hummingbird packs enormous power and rugged dependability for a wide range of uses. Waterproof and nitrogen purged with durable armoring and premium quality ED glass – from your coat pocket to the tripod, Hummingbird is always ready.

7-22X50	#52307
9-27X56	#52308

CATADIOPTRIC

THE VERSATILE C5, C90, AND C70 MINI MAK

offer the best of both worlds. We're always asked, "Are they for astronomical or terrestrial viewing?" With wide apertures, high powered magnification, erect image optics, included finderscopes, and compatibility with a wide range of 1.25" eyepieces, the answer is a resounding "YES!" to both.

C5 #52291
C90 #52268
C70 MINI MAK #52238

Tripod not included



LANDSCOUT™

READY FOR ANY ADVENTURE! With a compact and lightweight design, you'll be able to quickly set it up and use the 10-30x or 12-36x zoom to get close to the action. LandScout combines bright, sharp views with a remarkably affordable price. Tabletop tripod included.

50 mm #52320
60 mm #52322



ULTIMA®

DESIGNED TO PERFORM well in a range of viewing situations, the Ultima spotting scope is a great all-around optical instrument. The rubber-armored, waterproof design, and included soft carrying case protect Ultima from the elements for worry-free use in any conditions. Available in a range of sizes with both angled and straight designs.

65 - 45°	#52248	80 - straight	#52254
65 - straight	#52249	100 - 45°	#52252
80 - 45°	#52250	100 - straight	#52257



Tripod not included

TRIPODS

Anchor your sport optics with our TrailSeeker and Regal tripods. The heavy-duty Regal tripod has a smooth, easy-to-use fluid pan head and adjustable legs for setting in a variety of configurations. The quick-release plate helps you set up and break down in seconds and doubles as a balance rail, allowing you to find the perfect center of gravity.

Our lightweight, yet stable TrailSeeker tripod features a two-way fluid pan head for smooth, fast spotting and tracking with a large range of motion and single-tension pan and tilt adjustment. Flip-lever leg locks, multiple leg angles, rubber feet, padded leg wraps, and a retractable balance hook make it adaptable for all types of terrain.

With all these features and more, these are the perfect tripods for avid optics users.



REGAL TRIPOD #82052



TRAILSEEKER TRIPOD #82050



ASTRONOMICAL EYEPIECE COMPATIBILITY

Select Celestron spotting scopes like the Regal M2, Hummingbird, Catadioptric, and TrailSeeker allow the use of all Celestron 1.25" eyepieces. Swap in your astronomical eyepieces for a different focal length or field of view to customize your observing experience.



KEY TECHNOLOGIES

WATERPROOF

ED LENS

XLT COATING

DIELECTRIC COATED

PHASE COATED

The internal housing is purged of air and replaced with dry nitrogen gas, preventing the buildup of moisture and fogging of the internal lenses.

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Products designed and intended for those 14 years of age and older.