



CPC® Deluxe HD

EdgeHD™

CGEM®

SkyProdigy™

NexStar® SE


Nightscape™

CGE® Pro

Omni XLT®

AstroMaster®

Advanced Series™

 **TELESCOPES & ASTRONOMY**

2012 | Computerized Telescopes | Mounts | AstroImaging | Accessories

EdgeHD 1400 in Celestron's Joseph Lupica, Jr. Observatory

Explore Your World

Mankind's fascination with navigating and understanding the heavens is universal, in no small part, because our past and future is literally written in the stars. And beyond all the breathtaking beauty lies a remarkable journey of discovery that everyone should share. That's why our astronomy products are tailored for beginners through astronomers. *The sky is the limit, and Celestron can put it all within reach.*

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The EdgeHD 1400 sits upon CGE Pro mount, with Nightscape CCD camera and NexGuide attached to the Guidescope.

Celestron Technologies

SkyAlign™

With SkyAlign, setting up and using a computerized telescope is faster and easier than ever before. Simply point the telescope at three bright objects in the sky and the telescope aligns itself. You do not need to know the names of the stars – you can even pick the moon or bright planets! SkyAlign is the easiest method to align a computerized telescope; it's perfect for beginners and provides the convenience and accuracy demanded by experienced users.

NexRemote™

Celestron has been in the forefront of computerized telescope technology for over two decades. We have taken this expertise in telescope technology one step further by introducing NexRemote Telescope Control Software. NexRemote allows the user to control their Celestron computerized telescope from their personal computer. Everything that is done using the telescope's hand control can now be done remotely from a PC or laptop.

All-Star™ Polar Alignment

Once your telescope is electronically aligned to the sky (using two bright stars), All-Star allows you to choose any bright star listed in the NexStar hand control to assist in mechanically aligning your telescope's mount with the North Celestial Pole. Using the Sync function, the telescope points to and centers a bright star in the eyepiece with a high degree of accuracy. Once centered, the telescope will point to the exact position that the star should be if the mount were precisely polar aligned. Then, using the mount's altitude and azimuth fine adjustment knobs, re-center the star in the eyepiece and the mount is polar-aligned. This breakthrough technology makes getting ready for a night of astroimaging easier than previously possible.

StarBright™ XLT Coatings

StarBright XLT is a revolutionary optical coating system which outperforms coatings used on competing catadioptric telescopes. All of Celestron's Schmidt-Cassegrain and EdgeHD telescopes utilize this custom-engineered coating technology. The StarBright XLT coating system comprises of high-transmission coatings for every lens surface, and high-reflectivity coatings for every mirror surface. This ensures maximum light throughput for the telescope, which yields brightest images.



SkyProdigy 6 with StarSense Technology

StarSense™

StarSense analyzes the images of the sky acquired by SkyProdigy's on-board digital camera, matching them like "finger prints" against the internal database of stars. Only 3 such images are needed for the system to fully align itself with the sky and allow the user to automatically point the telescope to any star, planet or galaxy of their choosing. The entire alignment process takes under 3 minutes and requires absolutely no user involvement. Celestron's innovative (and patented) StarSense technology guarantees telescope alignment will never be easier.

EdgeHD™ Optics

EdgeHD optics produce a focal plane more than three-times flatter than a standard Schmidt Cassegrain telescope and dramatically flatter than other competing coma-free designs. This guarantees you visibly sharp stars across some of the largest CCD chips available today. The optical system was designed to reduce more than just off-axis star coma, but also to give an astrograph quality flat focal plane all the way to the edge of the field of view.

Learn more about Celestron Technologies at www.celestron.com



NexRemote

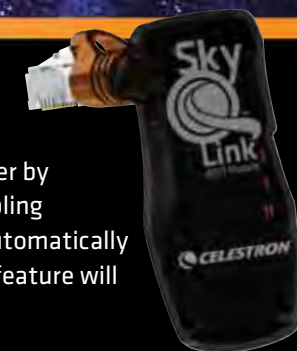


StarBright® XLT COATINGS



WiFi Access to the Universe with SkyQ Link

Celestron's innovative new SkyQ Link WiFi Module takes the technology behind our SkyQ app even further by activating a wireless control feature for most computerized Celestron telescopes. More than merely enabling completely wireless operation (including telescope alignment), the SkyQ Link Module will allow you to automatically slew the scope to an object with a simple tap on your iPhone/iPad planetarium interface. And a SkyTour feature will even generate a list of the best stars, galaxies, and nebulae to see based on the user's time and location.



Features

- + Complete wireless control of your celestron telescope
- + Telescope alignment – align your telescope wirelessly using Your iPhone or iPad
- + Planetarium interface – Tap on any object displayed on the SkyQ Sky view screen and instantly slew your telescope to that object
- + Sky Tour – Generates a list of all the best stars, galaxies and nebulae to view through your telescope



Simple made Smart

At its essence, SkyQ is a personal, pocket-sized guide to the cosmos that can locate and identify virtually any object in the night sky. From helping to plan a deep sky viewing session, or charting the landmarks of the lunar landscape, to tracking the International Space Station, SkyQ is a star map unlike any other – intuitive, interactive, and eminently engaging.

The remarkable SkyQ database includes thousands of heavenly bodies, including the complete Messier and NGC catalogs, hundreds of breathtaking celestial images, and hours of entertaining and educational audio covering the most famous sights in the Universe. Plus, there are built-in links for expanded information, a Tonight's Sky feature for current viewing suggestions, and even a Moon phase calendar.

Features

- + Easy-to-use astronomy application to locate and identify virtually any celestial object visible in the night sky
- + Over 4 hours of audio for many of the most famous objects in the sky including; Planets, Galaxies, Nebulae and the brightest stars
- + Wikipedia links for expanded information on the most popular celestial objects (WiFi connection required)
- + Works on all iPhones, iPads and iPod Touch devices with the latest firmware (iPhone 3GS/4/iPad or iPad 2 required for compass support)
- + Tracks the International Space Station (ISS) and predicts sightings



- + "Tonight's Sky" will keep you up-to-date and give you suggestions for the best objects to view when you head outside
- + Moon phase calendar, detailed lunar map and visible planet graph helps you keep track of the events in our Solar System
- + Jupiter's and Saturn's moons positions as seen through a telescope
- + Night vision mode



Learn more about SkyQ by scanning the QR code with your smart phone or visit www.celestron.com/skyq

AstroMaster®

Every instrument features precision optical elements as well as smooth operating steel tripod mountings and manual motion controls. All models feature premium coated optics for enhanced image brightness and clarity.

Find the AstroMaster Model that best suits your needs.

Looking for a dual-purpose telescope appropriate for both terrestrial and celestial viewing? Then the AstroMaster Series is just for you! The AstroMaster Series produces bright, clear images of the Moon and planets. Easily observe the belts and moons of Jupiter and the rings of Saturn with every one of these fine instruments. For breathtaking views of brighter deep space objects like galaxies and nebulae, we recommend the larger aperture and light-gathering ability of the Newtonian Reflectors.

AstroMaster Series Features

- + Quick and easy no-tool setup
- + Permanently mounted StarPointer for convenience
- + Erect image optics are ideal for terrestrial use (excludes 21073, 21074, and 31036)
- + Quick release dovetail attachment
- + Pan handle Alt-Az control with clutch for smooth accurate pointing (21061, 21063, 21073, 21074, 31036)
- + Rugged pre-assembled tripod with steel tube legs provides a rigid and stable platform
- + All coated glass optics for clear, crisp images
- + Deluxe accessory tray for convenient and accessible storage of accessories
- + The SkyX astronomy software with a 10,000 object database, printable sky maps and enhanced images



AstroMaster 76EQ



AstroMaster 130EQ



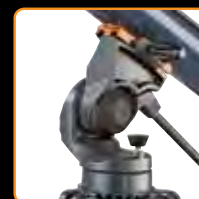
AstroMaster LT 76AZ



AstroMaster 90EQ



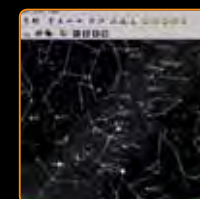
AstroMaster 114EQ



Alt-Az models come equipped with a convenient pan handle and built-in clutch for easy targeting and smooth motion. This mount design is best for viewing nature and celestial objects.



German Equatorial Mount equipped with setting circles and slow motion controls to accurately locate and track sky objects. (21062, 31035, 21064, 31042, 31045 and 31051)



Easily locate and identify thousands of celestial objects on your own personal laptop or PC with TheSkyX planetarium software, included FREE with every AstroMaster model.



Learn more about AstroMaster Series by scanning the QR code with your smart phone or visit www.celestron.com/astromaster

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATING	WEIGHT
AstroMaster LT 60AZ**	21073	60 mm (2.4")	Refractor	700 mm f/12	20 mm (35x), 10 mm (70x)	Built-on StarPointer	Fully Coated	13 lbs
AstroMaster LT 70AZ**	21074	70 mm (2.8")	Refractor	700 mm f/10	20 mm (35x), 10 mm (70x)	Built-on StarPointer	Fully Coated	16lbs
AstroMaster LT 76AZ**	31036	76 mm (3")	Reflector	700 mm f/9	20mm (35x), 10 mm (70x)	Built-on StarPointer	Aluminum w/SiO2	12lbs
AstroMaster 70AZ	21061	70 mm (2.8")	Refractor	900 mm f/13	20 mm (45x), 10 mm (90x)	Built-on StarPointer	Fully Coated	18 lbs
AstroMaster 70EQ	21062	70 mm (2.8")	Refractor	900 mm f/13	20 mm (45x), 10 mm (90x)	Built-on StarPointer	Fully Coated	18 lbs
AstroMaster 76EQ	31035	76 mm (3")	Reflector	700 mm f/9	20 mm (35x), 10 mm (70x)	Built-on StarPointer	Aluminum w/SiO2	16 lbs
AstroMaster 90AZ	21063	90 mm (3.5")	Refractor	1000 mm f/11	20 mm (50x), 10 mm (100x)	Built-on StarPointer	Multi-coated	20 lbs
AstroMaster 90EQ	21064	90 mm (3.5")	Refractor	1000 mm f/11	20 mm (50x), 10 mm (100x)	Built-on StarPointer	Multi-coated	27 lbs
AstroMaster 114EQ	31042	114 mm (4.5")	Reflector	1000 mm f/9	20 mm (50x), 10 mm (100x)	Built-on StarPointer	Aluminum w/SiO2	17 lbs
AstroMaster 130EQ	31045	130 mm (5")	Reflector	650 mm f/5	20 mm (33x), 10 mm (65x)	Built-on StarPointer	Aluminum w/SiO2	28 lbs
AstroMaster 130EQ-MD*	31051	130 mm (5")	Reflector	650 mm f/5	20 mm (33x), 10 mm (65x)	Built-on StarPointer	Aluminum w/SiO2	28 lbs

* Includes Motor Drive ** NEW

OmniXLT

With superior optics and a stable platform, the Omni XLT series is a perfect choice for amateur astronomers.

Explore the universe with your own personal premium optical system

The Omni XLT Series features refractor, reflector and Schmidt-Cassegrain optical designs coupled with our Omni CG-4 heavy-duty German Equatorial mount and sturdy tripod featuring 1.75" stainless steel legs and center tray for superior rigidity and vibration dampening. Along with the stable platform of the CG-4 mount, the Omni XLT series features high quality optics.

Omni XLT Series Features

- + StarBright XLT coatings provide maximized light transmission
- + 25 mm multi-coated eyepiece – 20 mm eye relief, 50° FOV
- + 1.25" star diagonal (except #31057)
- + CG-4 German Equatorial Mount with setting circles and slow motion controls – to accurately locate and track sky objects
- + Ball bearings in both axis of the mount for smooth performance
- + Sturdy pre-assembled stainless steel tripod featuring 1.75" legs and accessory tray
- + The SkyX planetarium software with a 10,000 object database, printable sky maps and enhanced images



Omni XLT 150R



Omni XLT 120



Omni XLT 127



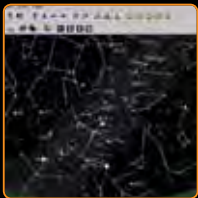
Omni XLT 150



Omni XLT 102



A tall Finderscope mount for easier viewing through the Finderscope.



Easily locate and identify thousands of celestial objects on your own personal laptop or PC with TheSkyX planetarium software, included FREE with every Omni XLT model.



The CG-4 German Equatorial mount has a freshly refined style and provides the stability you expect from the CG mounts.



Learn More about Omni XLT Series by scanning the QR code with your smart phone or visit www.celestron.com/omnixlt

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
Omni XLT 102	21088	102 mm (4")	Refractor	1000 mm f/10	25 mm (40x)	6x30	StarBright XLT	43 lbs
Omni XLT 120	21090	120 mm (4.7")	Refractor	1000 mm f/8.3	25 mm (40x)	6x30	StarBright XLT	46 lbs
Omni XLT 127	11084	127 mm (5")	Schmidt-Cassegrain	1250 mm f/10	25 mm (50x)	6x30	StarBright XLT	40 lbs
Omni XLT 150	31057	150 mm (6")	Reflector	750 mm f/5	25 mm (30x)	6x30	StarBright XLT	45.5 lbs
Omni XLT 150R	21094	150 mm (6")	Refractor	750 mm f/5	25 mm (30x)	6x30	StarBright XLT	49.5 lbs

LCM™

Locate The Wonders Of The Universe!

All glass fully coated optics reveal the depths of our solar system and the wonders of the Universe. Fully adjustable tripod features a convenient accessory tray. Easy to use computerized hand control allows user to locate objects at the touch of a button.

LCM Series Features

- + Computerized altazimuth mount and hand control with 4,000+ object database
- + Quick release mount, optical tube and accessory tray for no-tool setup
- + SkyAlign Technology allows you to align on any three bright objects for a fast and easy alignment process
- + Built-on StarPointer finderscope to help with alignment and accurately locating objects
- + Internal battery compartment to prevent cord wrap during use
- + Flash upgradeable hand control software and motor control units for downloading product updates over the Internet
- + The SkyX astronomy software with a 10,000 object database, printable sky maps and enhanced images



114LCM



80LCM



Learn More about LCM Series by scanning the QR code with your smart phone or visit www.celestron.com/LCM

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
60LCM	22050	60 mm (2")	Refractor	700 mm f/12	25 mm (28x), 9 mm (78x)	Built-on StarPointer	Fully-Coated	10 lbs
70LCM	22052	70 mm (2.8")	Refractor	900 mm f/3	25 mm (36x), 9 mm (100x)	Built-on StarPointer	Fully-Coated	12 lbs
76LCM	31151	76 mm (3")	Reflector	700 mm f/9	25 mm (28x), 9 mm (78x)	Built-on StarPointer	Aluminum w/SiO2	13 lbs
80LCM	22051	80 mm (3")	Refractor	900 mm f/11	25 mm (36x), 9 mm (100x)	Built-on StarPointer	Fully-Coated	14 lbs
90LCM	22054	90 mm (3.5")	Refractor	660 mm f/7	25 mm (26x), 9 mm (73x)	Built-on StarPointer	Fully-Coated	15 lbs
114LCM	31150	114 mm (4.5")	Reflector	1000 mm f/8.8	25 mm (40x), 9 mm (111x)	Built-on StarPointer	Aluminum w/SiO2	15 lbs

NexStar® SLT

Intelligent Design

NexStar SLT telescopes are designed for a no-tool setup in a matter of minutes! Every model comes with a pre-assembled adjustable stainless steel tripod, a quick release fork arm mount. This revolutionary telescope provides spectacular details of the lunar surface, Jupiter and four of its moons, Saturn with its incredible rings and much more!

The NexStar's ergonomically-designed hand control allows you to select an object from the catalog, change the slew speed, view fascinating information about an object, or simply find out if a desired object is visible in the sky with a touch of a button.

NexStar SLT Series Features

- + Computerized altazimuth mount and hand control with a 4,000+ object database
- + SkyAlign Technology
- + The SkyX astronomy software with a 10,000 object database, printable sky maps and enhanced images
- + StarPointer Finderscope to help with alignment
- + Auxiliary port for additional accessories such as a GPS accessory
- + Flash upgradeable hand control software and motor control units



NexStar 102SLT



NexStar 130SLT



Learn More about NexStar SLT Series by scanning the QR code with your smart phone or visit www.celestron.com/nexstarslt



Celestron's SkyAlign technology. Simply input the date, time and your location into the hand control then point the hand control at any three bright celestial objects in the sky. What about the rest? Leave it to SkyAlign! No more guessing or knowledge of the night sky is needed. Simply point and observe!

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATING	WEIGHT
NexStar 90SLT	22087	90 mm (3.5")	Maksutov-Cassegrain	1250 mm f/14	25 mm (50x), 9 mm (139x)	StarPointer	Fully-Coated	12 lbs
NexStar 127SLT	22097	127 mm (5")	Maksutov-Cassegrain	1500 mm f/12	25 mm (60x), 9 mm (167x)	StarPointer	Fully-Coated	18 lbs
NexStar 102SLT	22096	102 mm (4")	Refractor	660 mm f/6.5	25 mm (26x), 9 mm (73x)	StarPointer	Multi-Coated	14 lbs
NexStar 130SLT	31145	130 mm (5")	Reflector	650 mm f/5	25 mm (26x), 9 mm (72x)	StarPointer	Aluminum w/SiO2	18 lbs

SKYPRODIGY™

The Smartest Telescope in the Universe!

Become an instant astronomer with Celestron's multiple award-winning, revolutionary SkyProdigy series. Designed for people without any prior knowledge of astronomy or telescopes, SkyProdigy combines electronic motors, an intelligent on-board computer, digital camera* and StarSense Technology to create an automatic, alignment telescope that requires no input from the user. Simply turn SkyProdigy on, push a button and enjoy the view!

SkyProdigy's automatic alignment process takes only a few minutes, then you will be ready to select from thousands of objects to view. Not sure what to look at? Select the Sky Tour option which offers a customized list of the best objects in the sky to view for your exact time and location anywhere in the world!

* The SkyProdigy's internal camera does not have an external output allowing users to view or save the captured images. The captured images are used internally solely for the purpose of self-aligning the SkyProdigy telescope.

SkyProdigy Series Features

- + Fully automatic alignment procedure
- + Fully computerized altazimuth mount
- + Quick-release fork arm mount and optical tube for easy, quick no tool set up
- + The SkyX astronomy software with a 10,000 object database, printable sky maps and enhanced images
- + Database allows telescope to automatically locate over 4,000 Celestial Objects
- + Proprietary StarSense technology provides a completely automatic alignment process with no user intervention required
- + Flash upgradeable hand control software for downloading product updates over the Internet



SkyProdigy 6



SkyProdigy 130



SkyProdigy 90



SkyProdigy 102



StarSense™ analyzes images of the sky with its on-board CCD Digital Camera, matching them like fingerprints against a database of stars, and automatically self aligns in under 3 minutes.



Flash upgradeable hand control allows users to upgrade their telescope's operating software via the Internet.



Learn more about SkyProdigy Series by scanning the QR code with your smart phone or visit www.celestron.com/skyprodigy

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	COATING	WEIGHT
SkyProdigy 70	22089	70 mm (2.76")	Refractor	700 mm f/10	25 mm (28x), 9 mm (78x)	Fully-Coated	14 lbs
SkyProdigy 90	22091	90 mm (3.54")	Maksutov-Cassegrain	1250 mm f/14	25 mm (50x), 9 mm (139x)	Fully Multi-Coated	16 lbs
SkyProdigy 102	22090	102 mm (4.02")	Refractor	660 mm f/6.5	25 mm (.98") 9 mm (.73x)	Fully Multi-Coated	20 lbs
SkyProdigy 130	31153	130 mm (5.12")	Refractor	650 mm f/5	25 mm (26x), 9 mm (72x)	StarBright XLT	18 lbs
SkyProdigy 6	11076	150 mm (6")	Schmidt-Cassegrain	1500 mm f/10	25 mm (.98"), 9 mm (167x)	Aluminum w/SiO2	23 lbs

NexStar® SE

Following the tradition of Celestron's legendary orange optical tubes, the NexStar SE family combines classic telescope design with state of the art features, which include a fully computerized operating system, flash upgradeable hand control, superior StarBright XLT coatings, and our revolutionary SkyAlign™ alignment software.

Celestron's Revolutionary SkyAlign™

Indecisive? Let the intelligent NexStar SE give you your own personal guided tour of the night sky! The "Tour" feature offers a customized list of the best objects in the sky to view at your exact time and location, anywhere in the world. Not only will your NexStar SE find objects, it can help you learn about them as well. Information on the most popular objects can be viewed in the LCD screen of your hand control.

Whether you are a seasoned astronomer looking for a conveniently portable telescope with advanced features, or just starting on your astronomy adventure and want an easy way to enjoy and learn about the night sky, a NexStar SE telescope will bring the universe to your fingertips.

NexStarSLT Series Features

- + Set up in a matter of minutes with no extra tools required
- + Computerized hand control loaded with a nearly 40,000 object database and motorized altazimuth mount
- + Quick release optical tube for user convenience
- + Award winning StarBright XLT® coatings for maximum light transmission and clarity
- + SkyAlign™ provides simple alignment with only three bright celestial objects, for a fast and easy alignment process
- + StarPointer Finderscope to help with alignment
- + Flash upgradeable hand control; update your telescope's operating software via the internet
- + Internal battery compartment to prevent cord wrap during use
- + Includes NexRemote™ telescope control software, for advanced control of your telescope via PC or laptop
- + TheSkyX astronomy software with a 10,000 object database, printable sky maps and enhanced images



Exclusive features of the NexStar 4SE and 5SE Tripod features a built-in wedge for astrophotography. Includes a camera control feature that allows you to remotely take a series of timed exposures using your digital SLR camera.



With Celestron's patented SkyAlign simply input the date, time and your location into the hand control and point to any three bright celestial objects and your telescope will do the rest for you. Knowing the names is not necessary; you can even pick the Moon or bright planets!



Learn more about NexStar SE Series by scanning the QR code with your smart phone or visit www.celestron.com/nexstarse

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
NexStar 4SE	11049	4" (102 mm)	Maksutov-Cassegrain	1325 mm f/13	25 mm (53x)	StarPointer	StarBright XLT	21 lbs
NexStar 5SE	11036	5" (125 mm)	Schmidt-Cassegrain	1250 mm f/10	25 mm (50x)	StarPointer	StarBright XLT	28 lbs
NexStar 6SE	11068	6" (150 mm)	Schmidt-Cassegrain	1500 mm f/10	25 mm (60x)	StarPointer	StarBright XLT	30 lbs
NexStar 8SE	11069	8" (203 mm)	Schmidt-Cassegrain	2032 mm f/10	25 mm (81x)	StarPointer	StarBright XLT	33 lbs

CPC®

The Telescopes of Tomorrow are Here Today!

Advanced engineering and a bold design at a price that is out of this world! Celestron's CPC Series with revolutionary SkyAlign alignment technology re-defines everything that amateur astronomers are looking for – quick and simple alignment, GPS, unsurpassed optical quality, ease of set-up and use, ergonomics, enhanced computerization and, most important, affordability.

Internal GPS automatically downloads the date and time from orbiting satellites and pinpoints its exact location on Earth. This eliminates the need for you to manually enter the date, time, longitude and latitude.

Then use our revolutionary SkyAlign technology to align your telescope. Simply locate and manually point (slew) the telescope to three bright celestial objects. You do not need to know the names of the stars – you may even pick the Moon or bright planets!

Celestron's NexStar software technology will model the night sky to determine the position of every star, planet and celestial object above the horizon. Once aligned, the computerized hand control allows direct access to each of the celestial catalogs in its user-friendly database.

CPC Series Features

- + Precision drive base and drive mechanics for quiet operation, large drive gears, quick release clutch, Auxiliary ports for AutoGuider, PC, easily mounts to tripod
- + 40,000+ object database
- + Flash upgradeable hand control software and motor control units
- + Easy to locate over-sized clutch knobs on both axes for manual use
- + Ultra-wide 9.8" bearing track drive base provides smooth stable tracking at any rate
- + Permanent Periodic Error Correction (PEC)
- + NexRemote telescope control software included
- + Heavy-duty steel leg tripod with accessory tray/center leg support bracket for rock solid stability spring-loaded mounting screws and recessed mounting platform for quick setup



CPC GPS 1100



CPC GPS 800



CPC GPS 925



CPC GPS 1100



Drive base and drive mechanics feature quiet operation, large drive gears, quick release clutch, auxiliary ports for expandability and easy attachment to tripod.



Learn more about CPC Series by scanning the QR code with your smart phone or visit www.celestron.com/cpc

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
CPC 800 (XLT)	11073-XLT	203 mm (8")	Schmidt-Cassegrain	2032 mm f/10	40 mm (51x)	9x50	StarBright XLT	69 lbs
CPC 925 (XLT)	11074-XLT	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	40 mm (59x)	9x50	StarBright XLT	85 lbs
CPC 1100 (XLT)	11075-XLT	279 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70x)	9x50	StarBright XLT	92 lbs

CPC® Deluxe HD

Combining Celestron's re-engineered dual fork arm computerized mount with its award winning EdgeHD optical system, the NEW CPC Deluxe HD Series offers you a high definition experience!

The wait is over!

Celestron's award winning EdgeHD optical system is now available on a top-of-the-line dual fork arm computerized mount – The CPC Deluxe HD. Available in 8", 9.25" and 11" models, the CPC Deluxe HD telescope line re-defines everything amateur astronomers are looking for – ease of use, quick and simple GPS alignment, improved ergonomics, advanced computerization, unsurpassed optical quality, and most importantly, performance.

As a visual instrument, the EdgeHD optical system delivers pinpoint images across your widest field eyepiece, providing you stunning clarity and sharpness that will leave you wanting more. When used for astro imaging (requires the optional Pro HD Wedge) with our new Nightscape or your own favorite CCD or DSLR camera, the EdgeHD optical system produces a flat focal plane allowing pinpoint stars to the very edge of your image. The CPC Deluxe's re-designed RA worm gear drive, RA bearings, and enhanced electronics create smooth and accurate tracking, providing reliable operation for demanding astro imagers. Own one of these premier telescopes today, and it will surely keep you up all night.

CPC Deluxe HD Series Features

- + EdgeHD Optics for aberration free images across a wide field of view
- + StarBright XLT Coatings for maximum light throughput and brightest images
- + Mirror clutches hold the primary mirror in place to prevent image shift during imaging
- + Tube vents have an integrated 60 micron micro-mesh filter allowing hot air to be released from behind the primary mirror to expedite thermal equilibration
- + Focuser uses pre-loaded ball bearings, not bushings, to minimize focus shift
- + Fastar versatility for CCD imaging at F/2
- + 50 mm finderscope to help accurately find objects
- + Heavy-duty die cast aluminum fork arms for maximum rigidity
- + Unique RA bearing design with alternating steel and nylon ball bearings in a wide 9.8" diameter race for ultra-smooth and stable motion

- + Re-designed worm gear drive with spring loaded RA worm block and enveloping brass teeth for smooth tracking with little backlash
- + Permanent Periodic Error Correction (PEC)
- + Redesigned electronics provide more power to the motors for increased load capacity
- + Internal GPS receiver automatically downloads the date and time from orbiting satellites
- + Heavy-duty tripod features sturdy 2" diameter stainless steel legs and accessory tray
- + All-Star polar alignment procedure (requires optional Pro HD Wedge) makes polar alignment easy
- + SkyAlign allows you to align on any three bright celestial objects, providing a fast and easy alignment process
- + Database contains over 40,000 celestial objects including Messier objects, user-definable filter limits make navigating through this expansive database quicker and easier



CPC Deluxe 1100 HD



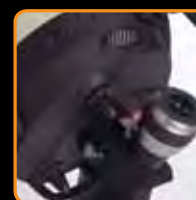
CPC Deluxe 800 HD



CPC Deluxe 925 HD



CPC Deluxe 1100 HD



CPC Deluxe HD's rear cell features mirror support clutches that will hold the primary mirror in place and minimize mirror shifting during imaging, while cooling vents, with integrated 60 micron mesh filters, will allow hot air to escape from behind the primary mirror without letting dust in.



CPC Deluxe HD features a newly re-designed drive base and re-engineered drive mechanics and electronics for smoother and more accurate tracking during long exposure astrophotography and superior overall performance.



Learn more about CPC Deluxe HD Series by scanning the QR code with your smart phone or visit www.celestron.com/cpcdeluxe

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
CPC Deluxe 800 HD	11007	203 mm (8")	Schmidt-Cassegrain	2032 mm f/10	40 mm Plössl (51x)	9x50	StarBright XLT	70 lbs
CPC Deluxe 925 HD	11008	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	23 mm Luminos (59x)	9x50	StarBright XLT	85 lbs
CPC Deluxe 1100 HD	11009	279 mm (11")	Schmidt-Cassegrain	2800 mm f/10	23 mm Luminos (70x)	9x50	StarBright XLT	93 lbs

NIGHTSCAPE™



Capture the Night Sky!

Have you ever felt that a high quality CCD camera packed with features is too difficult to use and too expensive for most astro imaging budgets? Think again. Celestron is pleased to announce Nightscape, a one shot, easy to use 10.7MP color CCD camera. This compact, versatile camera comes with many sought after features found in professional grade astro imaging cameras costing thousands of dollars more. With its large image scale and resolution, planets, compact deep-sky and wide field objects will be captured in fine detail and true color fidelity. Nightscape comes with AstroFX software, which guides you with easy to follow, step-by-step instructions, from taking images to final processing. It does not get any easier than that. Capture the sky tonight with Nightscape!



AstroFX gives you full control of your camera from temperature regulation, exposure control as well as computer assisted focusing for easy image acquisition. AstroFX knows just what to do with your images and calibrates frames to create a final master image that's been stacked, stretched, sharpened, saturated and ready to share with your friends in a snap.



Kodak KAI-10100 Color Sensor



M8 Lagoon Nebula taken with Nightscape and EdgeHD Optics

Nightscape #95555

Camera Resolution	10.7MP (3760x2840)
Sensor Size	17.9 mm x 13.5 mm (22.5 mm diagonal)
Pixel Size	4.75 micron square
Imaging Sensor	Kodak KAI-10100 Color Sensor
Exposure Range	.001 sec to 24hrs (2x2, 4x4 Bin); .01sec to 24hrs (1x1 binning)
Binning	2x2, 4x4
Cooling	Regulated thermoelectric w/ fan
Shutter	Internal mechanical
Cooling Range	20C° below ambient
Operating Environment	40C° to -40C° (104F to -40F)
A/D Conversion	16 bit
Full Well Capacity	25,000 e-
Read Noise (RMS)	13 e-
Dark Signal (at 0° C)	2e-/pixel/second
Quantum Efficiency	32% @ 630nm; 42% @ 550nm; 40% @ 470nm
Dynamic Range	64 dB
Mounting	2" barrel and t-thread
Back Focus Distance	55 mm w/ 2" barrel; 26 mm w/o barrel
Image Buffer	Full-frame, on-board
Download Time	11 sec or less for full-frame image
Software Compatibility	AstroFX, MaximDL, ASCOM Driver
USB Cable	High-Speed 2.0, 10' cable length
Sub-Framing	Full, Half, Quarter, selectable
Optical Window	High transmission Schott B270 glass
Optical Coatings	IR cutoff and anti-reflection multi-coatings
Power Cable	10' 12V DC power cable included
Weight	2 lbs (0.91 kg)
Warranty	2 year



Learn more about Nightscape by scanning the QR code with your smart phone or visit www.celestron.com/nightscape

It's All About Image

Combining Celestron's newly designed dual fork arm computerized mount with its award winning EdgeHD optical system, the NEW CPC Deluxe HD Series offers you a high definition experience!



Learn more about Astroimaging by scanning the QR code with your smart phone or visit www.celestron.com/astroimaging



CPC Deluxe 1100 HD with Astroimaging Accessories

- + **80 mm Guidscope Package #52309** – 600 mm focal length guidscope and ring package for piggyback guiding during astro imaging.
- + **NexGuide Autoguider #93713** – NexGuide stand-alone autoguider eliminates the need for a laptop computer for guiding during long-exposure imaging.
- + **Nightscape #95555** – One shot color imaging camera with 10.7MP CCD sensor, mechanical shutter, TEC cooling and processing software.
- + **HD Pro Wedge #93664** – Provides a stable platform essential for polar aligning your fork arm telescope for smooth tracking all the way across the meridian.

- + **.7x Reducer Lens - EdgeHD 1400 #94240** Makes the EdgeHD 1400 telescope one full F-Stop faster than at f/11. Photographically this will enable you to reduce your exposure times by one-half and still capture the same amount of light, while providing a 43% wider field of view.
- + **.7x Reducer Lens - EdgeHD 1100 #94241** Makes the EdgeHD 1100 telescope one full F-Stop faster than at f/10. Photographically this will enable you to reduce your exposure times by one-half and still capture the same amount of light, while providing a 43% wider field of view.

ADVANCED Series™

The Advanced Series family of computerized GoTo telescopes was designed to offer the novice or more advanced user a selection of models with the features and quality that serious amateurs can appreciate.

GoTo Convenience and GPS Compatibility For Precision Accuracy

We proudly offer the Advanced Series on a computerized GoTo CG-5 mount. Couple this solidly-built mount with the included NexStar® computerized control system to utilize several of the same functions and features as Celestron's most advanced GoTo telescopes. The Advanced Series can be upgraded to GPS with the optional SkySync GPS Accessory (#93969). This accessory conveniently allows your telescope to pinpoint your exact location on Earth, and the date and time, to make the alignment process faster and easier than ever before! The Advanced Series also comes fully loaded with new software features and a 40,000+ object database. Capable of holding over 30 lbs of payload and slewing at 3° per second, you can quickly point to any of the celestial objects in the database. Let Celestron bring the universe to you.

Advanced Series Features

- + Computerized CG-5 German Equatorial Mount
- + Ultra sturdy adjustable tripod with 2" stainless steel legs
- + TheSkyX astronomy software with a 10,000 object database, printable sky maps and enhanced images
- + DC servo motors with encoders located on both axes
- + Hand control with double line, 16 character LCD display; red night vision backlighting
- + RS-232 communication port on hand control; auxiliary port and autoguider port on motor drive



ADVANCED C11-SGT



ADVANCED C10-NGT



ADVANCED C6-NGT



ADVANCED C9.25-SGT (XLT)



ADVANCED C8-SGT



The CG-5 German Equatorial mount is equipped with precision worm gears on both axes for extremely smooth operation and additional auxiliary ports for accessories such as the SkySync GPS Kit.



Learn more about Advanced Series by scanning the QR code with your smart phone or visit www.celestron.com/Advanced

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
C6-NGT	31054	150 mm (6")	Reflector	750 mm f/5	20 mm (38x)	6x30	Aluminum w/SiO2	54 lbs
C6-RGT	21020	150 mm (6")	Refractor	1200 mm f/8	20 mm (60x)	9x50	Fully Multi-coated	68 lbs
C6-SGT (XLT)	11079-XLT	150 mm (6")	Schmidt-Cassegrain	1500 mm f/10	25 mm (60x)	6x30	StarBright XLT	52 lbs
C8-NGT	31062	200 mm (8")	Reflector	1000 mm f/5	20 mm (50x)	9x50	Aluminum w/SiO2	67 lbs
C8-SGT (XLT)	11026-XLT	203 mm (8")	Schmidt-Cassegrain	2032 mm f/10	25 mm (81x)	6x30	StarBright XLT	54 lbs
C9.25-SGT (XLT)	11046-XLT	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	25 mm (94x)	6x30	StarBright XLT	73 lbs
C10-NGT	11048	254 mm (10")	Reflector	1200 mm f/4.7	20 mm (60x)	9x50	Aluminum w/SiO2	93 lbs
C11-SGT (XLT)	11067-XLT	279 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70x)	9x50	StarBright XLT	91 lbs

CGEM™

The hot CGEM mount has a fresh, attractive, bold appearance and is capable of carrying Celestron's higher-end SCT optical tubes (up to 11") securely and vibration free, which is ideal for both imaging and visual observing.

CGEM – A Feast For Your Eyes in More Ways Than One

CGEM was designed to be ergonomically friendly with large Altitude and Azimuth adjustment knobs for quick and easy polar alignment adjustment. CGEM has a innovative Polar alignment procedure called All-Star. All-Star allows users to choose any bright star from the hand control, while the software calculates and assists with polar alignment. Another great feature of the CGEM, sure to please astroimagers, is the Permanent Periodic Error Correction (PEC) which will allow users to train out the worm gear's periodic errors, while the mount retains the PEC recordings.

For objects near the Meridian (imaginary line passing from North to South), the CGEM will track well past the Meridian for uninterrupted imaging through the most ideal part of the sky. The CGEM mount has a robust database with over 40,000 objects, 100 user defined programmable objects and enhanced information on over 200 objects.

CGEM Features

- + All-Star polar alignment lets you choose any bright alignment star for a software assisted alignment of the mount's polar axis that will have you ready for imaging even if you can't see the North Star
- + Permanent PEC, permanently programmable periodic error correction, corrects for periodic tracking errors inherent to all worm drives. Mount will remember its PEC compensation once trained
- + Meridian tracking, for extended tracking past the Meridian for uninterrupted imaging through the best part of the sky
- + CGE style mounting platform for secure, vibration free tube attachment
- + Polar alignment control knob with larger, easy to move adjustment knobs for both Altitude and Azimuth
- + Improved database with 40,000+ objects, 100 user defined programmable objects and enhanced information on over 200 objects



CGEM 1100



CGEM MOUNT



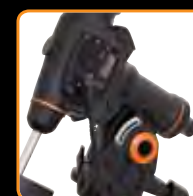
CGEM 800



CGEM 925



CGEM 1100 HD



All-Star™ Polar Alignment – Choose any bright alignment star for a software assisted alignment of the mount's polar axis that will have you ready for imaging before it's even dark enough to see the North Star.



Large mounting platform – CGE style mounting platform for secure, vibration free tube attachment.



Learn more about CGEM Series by scanning the QR code with your smart phone or visit www.celestron.com/cgem

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
CGEM 800	11097	203 mm (8")	Schmidt-Cassegrain	2032 mm f/10	25 mm (81x)	6x30	StarBright XLT	88 lbs
CGEM 925	11098	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	25 mm (94x)	6x30	StarBright XLT	113 lbs
CGEM 1100*	11099	280 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70x)	9x50	StarBright XLT	120 lbs
CGEM 800 HD	11080	203 mm (8")	Edge HD	2032 mm f/10	40 mm (51x)	9x50	Starbright XLT	88 lbs
CGEM 925 HD	11081	235 mm (9.25")	Edge HD	2350 mm f/10	23 mm Axiom (102x)	9x50	Starbright XLT	113 lbs
CGEM 1100 HD	11082	280 mm (11")	Edge HD	2800 mm f/10	23 mm Axiom (122x)	9x50	Starbright XLT	120 lbs

*with quick release bracket

CGEM™ DX

The new Celestron CGEM DX and CGEM DX HD series of telescopes! Designed for superior astrophotography performance while maintaining its portability, the CGEM DX delivers the backbone for all your observing needs.

Innovation and Performance

Celestron's CGEM DX 1400 features our high-end 14" Schmidt Cassegrian OTA with XLT coatings mounted on our brand new CGEM DX mount. The CGEM DX mount is the newest member of our fully computerized Equatorial mount series capable of carrying Celestron's high-end 11" and 14" optical tubes. The CGE PRO style, 2.75" leg tripod holds even our 14" optics securely while dampening vibration, which is ideal for both imaging and visual observing. Capable of holding 50 lbs of payload and slewing at 5° per second, you will be able to instantly point to any of the celestial objects in the database.

Innovation - The CGEM DX series features innovative Polar alignment procedure called All-Star. All-Star allows users to choose any bright star, while the software calculates and assists with polar alignment. Another great feature of the CGEM DX sure to please astroimagers, is the Permanent Periodic Error Correction (PEC) which allows users to train out the worm gear's periodic errors, while the mount retains the PEC recordings.

Performance - For objects near the Meridian (imaginary line passing from North to South), the CGEM DX will track well past the Meridian for uninterrupted imaging through the most ideal part of the sky. The CGEM mount has a robust database with over 40,000 objects, 100 user defined programmable objects and enhanced information on over 200 objects.

CGEM DX Series Features

- + All the benefits and performance of the CGEM mount with additional features intended to increase payload capacity
- + Ultra-sturdy tripod (same as used for CGE Pro) with 2.75" stainless steel legs and metal accessory tray
- + Upgraded motor drive electronics provide more motor power to move more weight
- + Longer counterweight bar in order to balance heavier loads
- + A quality mount which is capable of astroimaging with larger OTAs at a fraction of the cost of other mounts with similar payload capacity



CGEM DX 1400



CGEM DX 1400 HD

Redesigned electronics deliver more power to the motors making them capable of driving the telescope even when not perfectly balanced. This allows the CGEM DX to have the payload capacity of that of much larger mounts without sacrificing smooth tracking motion and pointing accuracy across the entire sky.

CGEM DX Mount Features

- + 40,000 object database with over 100 user-definable objects and expanded information on over 200 objects
- + Proven NexStar computer control technology
- + Flash upgradeable hand control software and motor control units for downloading product updates over the Internet
- + Software features include: mount calibration, database filter limits, hibernate, five alignment procedures, and user-defined slew limits
- + Custom database lists of all the most famous deep-sky objects by name and catalog number; the most beautiful double, triple and quadruple stars; variable stars; solar system objects and asterisms
- + Permanent Programmable Periodic Error Correction (PEC) - corrects for periodic tracking errors inherent to all worm drives
- + Steel worm gear and 90 mm pitch diameter brass worm wheel
- + Drive Motors - Low Cog DC Servo motor with integrated optical encoders offer smooth, quiet operation and long life. The motor armatures are skewed to minimize cogging which is required for low speed tracking
- + Internal cable wiring for trouble-free setup and transportation
- + Designated six-pin RJ-12 modular jack, ST-4 compatible guide port



CGEM DX MOUNT

- + Autoguide port and auxiliary ports located on the electronic plate for long exposure astrophotography
- + Double line, 16-character liquid crystal display Hand control with backlit LED buttons for easy operation of goto features
- + RS-232 communication port on hand control to control the telescope via a personal computer
- + Includes NexRemote telescope control software, for advanced control of your telescope via computer
- + Precision machined 40 mm diameter steel Polar shafts supported by multiple tapered roller bearings and ball bearings
- + GPS-compatible with optional SkySync GPS Accessory



Learn more about CGEM DX by scanning the QR code with your smart phone or visit www.celestron.com/cgemdx

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
CGEM DX 1100	11000	280 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm 1.25" (70x)	9x50	Starbright XLT	245 lbs
CGEM DX 1400	11001	356 mm (9.25")	Schmidt-Cassegrain	3910 mm f/11	40 mm 1.25" (00x)	9x50	Starbright XLT	185 lbs
CGEM DX 1100 HD	11002	280 mm (11")	Edge HD	2800 mm f/10	23 mm 2" (122x)	9x50	Starbright XLT	245 lbs
CGEM DX 1400 HD	11004	356 mm (14")	Edge HD	3910 mm f/11	23 mm 2" (170x)	9x50	Starbright XLT	185 lbs

CGEPRO™

Observatory class German Equatorial telescopes from Celestron

The CGE Pro computerized series is part of Celestron's line of observatory class German Equatorial telescopes. Offered with 9.25", 11" and 14" aperture Schmidt-Cassegrain and EdgeHD optical tubes, they all come mounted on our state of the art CGE Pro GoTo mount.

The German Equatorial Mount has long been the favored choice of astronomy buffs and astrophotographers because of its stability and portability. More stable because the center of gravity is directly over the center of its base, more portable because it can be broken down into smaller component parts for easy storage and transportation.

For astrophotography, the German Equatorial Mount offers easier balancing, unlimited space at the rear of the telescope tube to mount a camera, and whole sky access. Now you can enjoy all of the NexStar software and database features with the extra stability and portability of a German Equatorial Mount.

CGE Pro Series Features

- + Schmidt-Cassegrain or EdgeHD optics with StarBright XLT coatings
- + CGE Pro computerized German Equatorial Mount
- + 40,000+ object database with 100 user-defined objects
- + All-Star polar alignment
- + Heavy duty stainless steel tripod adjustable from 38" to 55"
- + 4 point RA and DEC clutch system for no-slip pointing precision



Learn more about CGE PRO by scanning the QR code with your smart phone or visit www.celestron.com/cgepro



CGE PRO 1400 Fastar



CGE PRO 1100 HD

CGE Pro mount provides a rock solid base

German Equatorial mounts place the center of gravity directly over the tripod legs and can be easily polar aligned without the use of an optional equatorial wedge. This proven design reduces the "tuning fork" vibration that can be associated with undersized fork mounts. An improved Super HD Tripod supports the CGE Pro mount. This fully extendable tripod is made from the finest 2.75" stainless steel and can be raised to a height of 55". The tripod uses a dual leg support for maximum rigidity with an upper leg brace to provide an outward preload and a lower leg brace providing inward tension.



CGE Pro Pier



CGE Pro Dove Tail Mount



CGE Pro Mount



CGE PRO MOUNT

The CGE Pro German Equatorial mount has been completely redesigned to offer numerous design advantages:

Increased Payload Capacity

Able to hold the 14" telescope more securely as well as larger optical tubes with a maximum payload of 90 lbs

All-Star Polar Alignment

Choose any bright alignment star for a software assisted alignment of the mount's polar axis that will have you ready for imaging even if you can't see the North Star

No-Tool Polar Alignment

Larger hand knobs for both Altitude and Azimuth adjustments

Meridian Tracking

Extended tracking past the Meridian of up to 20 degrees of uninterrupted imaging through the best part of the sky

Faster Slew Speed

Improved gearing and motors provide faster slew speeds than ever before with a maximum slew rate of over 5°/per second

MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	COATINGS	WEIGHT
CGE Pro 925	11086	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	25 mm (94x)	6x30	Starbright XLT	176 lbs
CGE Pro 1100	11087	280 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70X)	9x50	Starbright XLT	204 lbs
CGE Pro 1400	11088	356 mm (14")	Schmidt-Cassegrain	3910 mm f/11	40 mm (98x)	9x50	Starbright XLT	243 lbs
CGE Pro 1400 Fastar	11089	356 mm (14")	Schmidt-Cassegrain	3910 mm f/11	40 mm (98x)	9x50	Starbright XLT	243 lbs
CGE PRO 925 HD	11092	235 mm (9.25")	Edge HD	2350 mm f/10	23 mm Axiom (102x)	9x50	Starbright XLT	176 lbs
CGE PRO 1100 HD	11093	280 mm (11")	Edge HD	2800 mm f/10	23 mm Axiom (122x)	9x50	Starbright XLT	204 lbs
CGE PRO 1400 HD	11094	356 mm (14")	Edge HD	3910 mm f/11	23 mm Axiom (170x)	9x50	Starbright XLT	243 lbs

EDGEHD™

EdgeHD is an aplanatic Schmidt telescope designed to produce aberration-free images across a wide visual and photographic field of view. The optical system was designed to reduce more than just off-axis star coma, but also to give an astrograph quality flat focal plane all the way to the edge of the field of view.

True Astrograph Quality

Many optical designs that advertise themselves as “astrograph” quality actually only produce pinpoint stars across a curved focal plane. While this may be acceptable for visual observing, stars will appear out of focus at the edge when used with a flat chip sensor of a digital camera. EdgeHD optics produce a focal plane more than three-times flatter than a standard Schmidt Cassegrain telescope and dramatically flatter than other competing coma-free designs. This guarantees you visibly sharp stars across some of the largest CCD chips available today.

Improved Performance

Superior edge performance not only creates rounder, more pleasing stars but actually improves the resolution and limiting magnitude when compared to telescopes of equal aperture.

Starbright XLT® Coatings

Coupled with Celestron's StarBright XLT coating group on every surface, EdgeHD optics gives you maximum light throughput across the widest visual and photographic spectrum.

EdgeHD Features

- + EdgeHD Optics
- + Celestron premium StarBright XLT coatings
- + Mirror Clutches – Flexible tension clutches hold the mirror in place and reduce image shift when rotating the tube around the mount
- + All EdgeHD optical tubes are Fastar® compatible for ultra fast f/2 wide field imaging
- + Tube Vents – Cooling vents located on the rear cell allow hot air to be released from behind the primary mirror
- + 9x50 finderscope with quick release bracket to help accurately find objects
- + Star diagonal provides a more comfortable viewing position when observing objects that are high in the sky



CGE PRO 1400 HD



Learn more about EdgeHD by scanning the QR code with your smart phone or visit www.celestron.com/edgehd

Astroimaging is one of the most rewarding activities amateur astronomers can participate in. EdgeHD optics can 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.



Scan the QR code with your smart phone to check out more astroimages taken with Celestron products at www.celestronimages.com

Lagoon Nebula by John Bozeman
taken with Nightscape and EdgeHD 800



Orion Nebula by Sebastian Voltmer
with EdgeHD 1100



Fire Works Galaxy by Andre Paquette
with EdgeHD 1400



Crab Nebula by Andre Paquette
with EdgeHD 1400

Optical Tube Assemblies

Designed to be compatible with many of our most popular mounts!

Celestron's Schmidt-Cassegrain Optical Tube Assemblies (OTA) are available individually for use with your favorite Celestron mount. Each OTA is made to the same exact standards as those used on all our high quality telescopes. Every optical surface is carefully coated with Celestron's high efficiency StarBright® multi-layered coating group. All tube assemblies are equipped with the same dovetail mounting bar used on the CGE and Advanced Series for easy attachment to a variety of popular mounts. Every tube assembly is quality control tested at our manufacturing facility in Torrance, CA for a telescope that is out of this world!

Optical Tube Assemblies Features

- + Aluminum tube construction
- + StarBright XLT coating is standard on all models
- + Most OTA's come in multiple dovetail options to fit our CG-5 and CGE mounts
- + All EdgeHD tubes are FASTAR compatible



Learn more about Optical Tube Assemblies by scanning the QR code with your smart phone or visit www.celestron.com/ota



MODEL	ITEM #	APERTURE	OPTICAL DESIGN	FOCAL LENGTH	EYEPIECES	FINDERSCOPE	DOVETAIL	COATINGS	WEIGHT
EdgeHD 800*	91031-XLT	203 mm (8")	Edge HD	2032 mm f/10	40 mm (51x)	9x50	CGE-5	StarBright XLT	14 lbs
EdgeHD 800	91030-XLT	203 mm (8")	Edge HD	2032 mm f/10	40 mm (51x)	9x50	CGE	StarBright XLT	14 lbs
EdgeHD 9.25	91040-XLT	235 (9.25")	Edge HD	2350 mm f/10	23 mm (102x)	9x50	CGE	StarBright XLT	21 lbs
EdgeHD 1100	91050-XLT	280 (11")	Edge HD	2800 mm f/10	23 mm (122x)	9x50	CGE	StarBright XLT	28 lbs
EdgeHD 1400	91060-XLT	356 (14")	Edge HD	3910 mm f/11	23 mm (170x)	9x50	CGE	StarBright XLT	46 lbs
C6-A (XLT)	91010-XLT	150 mm (6")	Schmidt-Cassegrain	1500 mm f/10	25 mm (60x)	6x30	CG-5	StarBright XLT	10 lbs
C8-A (XLT)	91024-XLT	200 mm (8")	Schmidt-Cassegrain	2032 mm f/10	25 mm (81x)	6x30	CGE	StarBright XLT	12 lbs
C8-A (XLT)	91020-XLT	200 mm (8")	Schmidt-Cassegrain	2032 mm f/10	25 mm (81x)	6x30	CG-5	StarBright XLT	12 lbs
C9.25-A (XLT)	91027-XLT	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	25 mm (94x)	6x30	CGE	StarBright XLT	20 lbs
C9.25-A (XLT)	91025-XLT	235 mm (9.25")	Schmidt-Cassegrain	2350 mm f/10	25 mm (94x)	6x30	CG-5	StarBright XLT	20 lbs
C11-A (XLT)	91036-XLT	279 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70x)	9x50	CGE	StarBright XLT	27 lbs
C11-A (XLT)	91067-XLT	279 mm (11")	Schmidt-Cassegrain	2800 mm f/10	40 mm (70x)	9x50	CG-5	StarBright XLT	27 lbs
C14-A (XLT)	91037-XLT	355 mm (14")	Schmidt-Cassegrain	3910 mm f/11	40 mm (98x)	9x50	CGE	StarBright XLT	45 lbs
C14-A (XLT)**	91038-XLT	355 mm (14")	Schmidt-Cassegrain	3910 mm f/11	40 mm (98x)	9x50	CGE	StarBright XLT	45 lbs

*NEW **Fastar

Specialty Telescopes

FirstScope # 21024

FirstScope is an ideal entry level astronomical telescope. The user simply navigates the night sky by moving the tube in the direction of their desired object, making the viewing experience a snap and its compact design makes it easy enough to take with you on your next outdoor adventure. FirstScope pays tribute to many of history's most notable astronomers and scientists by displaying their names around the optical tube, making it a wonderful keepsake for anyone interested in astronomy.

FirstScope Features

- + High quality Dobsonian style stand with a 76 mm reflector optical tube make FirstScope an ideal entry level astronomical telescope
- + Portable and lightweight table-top design

Travel Scope 50 # 21038 and 70 # 21035

These telescopes were designed with traveling in mind while offering exceptional value. The Travel Scope is made of the highest quality materials to ensure stability and durability. All this adds up to a telescope that gives you a lifetime of pleasure with a minimal amount of maintenance. Featuring a compact and portable design with ample optical performance, the Travel Scope is ideal for terrestrial as well as casual astronomical observation.

Travel Scope Features

- + All coated glass optical elements for clear, crisp images
- + Erect image diagonal so that your views are correctly oriented
- + Smooth functioning altazimuth mount with easy pointing to located objects
- + Preassembled aluminum full size photographic tripod ensures a stable platform
- + Quick and easy no-tool set up
- + The telescope and tripod fit inside the custom backpack for easy traveling and storage



Learn more about Specialty Telescopes by scanning the QR code with your smart phone or visit www.celestron.com/specialty



Ambassador

The Ambassador Brass Refractor Telescope is an ideal decorative showpiece for the home, office, or anywhere you may want to incorporate its vintage style. Featuring a classic Altazimuth Mount and beautiful mahogany wood tripod, the Ambassador telescope is designed especially for terrestrial observing but is also capable of casual astronomical observing.

Ambassador Features

- + All brass optical tube, altazimuth mount, tripod hardware
- + Rigid, sturdy and exquisite mahogany wood tripod
- + Brass tripod accessory tray
- + Erect image viewing through the telescope



Celestron Mounts

General Info on Mounts

Celestron's mounts bear an assortment of features to accommodate your needs from basic ease of set-up and ergonomic design, alignment technology or celestial database, to portability, stability, and precision requirements.

CGEM DX Computerized Mount

The CGEM DX mount is our fully computerized Equatorial mount capable of carrying Celestron's high-end 11" and 14" optical tubes. The CGE Pro style, 2.75" leg tripod holds even our 14" optics securely while dampening vibration, which is ideal for both imaging and visual observing. Capable of holding 50 lbs of payload and slewing at 5° per second, you will be able to quickly and easily point to any of the celestial objects in the database.

CGEM Computerized Mount

The CGEM Mount has a fresh, attractive, bold appearance and is capable of carrying Celestron's higher-end SCT optical tubes (up to 11") securely and vibration free, which is ideal for both imaging and visual observing. Capable of holding over 40 lbs of payload and slewing at 5° per second, you will quickly reach any destination in the 40,000+ object database. Celestron's CGEM mount is the perfect fit between the CG-5 Mount and CGE Pro Mount. Offering the portability of the CG-5 and the precision of the CGE Pro.

CGE Pro Computerized Mount

In addition to being fully computerized with a database of over 40,000 celestial objects, our CGE Pro German Equatorial Mount has been completely redesigned to offer numerous design advantages for the astrophotographer. CGE Pro is able to hold our 14" SCT telescope securely as well as larger optical tubes up to a maximum instrument capacity of 90 lbs. Features larger hand knobs for both altitude and azimuth adjustments and with just a standard hand control alignment, the CGE Pro has the ability to center a star in your eyepiece or CCD chip to within 5 arc minutes.



CGEM DX
Computerized Mount



CGEM
Computerized Mount



CGE PRO
Computerized Mount



CG-5
Computerized Mount



Omni CG-4 Mount



NexStar SE
Computerized Mount



NexStar SLT
Computerized Mount



Learn more about Celestron Mounts by scanning the QR code with your smart phone or visit www.celestron.com/mounts

MODEL	ITEM #	DESCRIPTION	WEIGHT
Omni CG-4 Mount	91509	German Equatorial mount and tripod as supplied with all Omni XLT Series telescopes	45 lbs
NexStar 6SE and 8SE Computerized	91203	AltAz Computerized mount, as supplied with all NexStar 6/8 telescopes	21 lbs
NexStar SLT Computerized Mount	91205	AltAz Computerized mount as supplied with all NexStar SLT telescopes	8 lbs
CG-5 Computerized Mount	91518	With dual-axis slew motors and computerized hand control with 40,000+ object database	42 lbs
CGEM DX Computerized Mount	91528	High end computerized German Equatorial Mount featuring All-Star Alignment technology	75 lbs
CGEM Computerized Mount	91526	High end computerized German Equatorial Mount featuring All-Star Alignment technology	75 lbs
CGE Pro Computerized Mount	91527	Observatory Class German Equatorial Mount designed for the Serious Astronomer	154 lbs



CROSS AIM™
Features adjustable brightness red LED light to illuminate crosshairs and preserve night vision, double crosshair reticle for accurate centering and guiding of stars and fully coated optics for good light transmission on faint stars.



SKYSYNC™ GPS
Improve the accuracy of your star alignment by plugging SkySync into your telescope's drive base port. SkySync will link up and automatically download time and location information from global positioning satellites.



POWERTANK
Whether you're in the middle of the desert or a coastal cliff, power your telescope anywhere in the world with our PowerTank portable power supply.



EYEPIECE FILTER KIT
Enhance your viewing experience with a variety of Celestron eyepiece filter kits.



HEAVY DUTY WEDGE
For increased stability and breathtaking astrophotography, use our heavy duty wedge on our CPC® GPS Series telescopes.



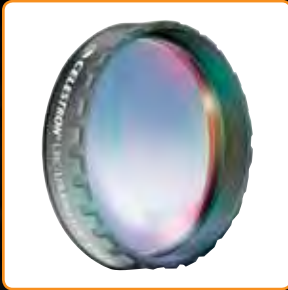
X-CEL™ LX EYEPIECES
X-Cel LX eyepiece series is what you've been waiting for in a high quality eyepiece for planetary viewing. Featuring a sleek and robust design and a twist-up eye guard, these eyepieces are especially designed for comfort and ease of use.



NEXGUIDE™
The NexGuide can guide an equatorial mount without the help of a computer. It will improve the image quality and help you achieve pinpoint stars in your long-exposure photography.



NEXSTAR CARRYING CASES
NexStar carrying case is designed to safely carry your NexStar 4/5 6/8 telescope as well as any Celestron 8/9.25/11" SCT/EdgeHD optical tube. EVA molded to protect your telescope with a hard yet flexible shell. Your case also comes with a convenient storage zipper pocket that holds all your telescope's standard accessories with room to expand.



EYEPIECE FILTERS
Enhance even the most spectacular celestial objects with our eyepiece filters. Choose from one of our many popular filters in a variety of sets for your observing convenience.



Learn more about Celestron Accessories by scanning the QR code with your smart phone or visit www.celestron.com/accessories

SkyScout® Personal Planetarium®

The Sky Will Never Look the Same

Identify: Simply point the SkyScout at any object in the sky and click the "Target" button and the SkyScout will quickly tell you what object you are looking at.

Locate: Locating stars and planets is a no-brainer with the SkyScout Personal Planetarium. Simply select the object's name from the menu and follow the directional arrows through the viewfinder. SkyScout tells you when you are on target. It's that easy!

Learn: After targeting an object, the real fun begins! SkyScout provides entertaining and educational audio and text information, including facts, trivia, history and mythology regarding our most popular celestial objects. Who ever thought learning would be so much fun!

SkyScout Features

- + Equipped with advanced GPS technology to identify over 6,000 celestial objects with the click of a button (over 50,000 objects available with free firmware upgrade via the internet)
- + Simple for all ages – power it up and SkyScout is ready to use
- + Includes "Tonight's Highlights", a customized list of the 20 best objects to view for your exact date, time and location anywhere in the world
- + Features audio and in-depth text descriptions that provide fun facts about history, mythology and other information for the most popular objects
- + Let SkyScout take you on a guided tour through all 88 constellations and even see crisp, on screen constellation maps
- + Conveniently built-in Field Guide which includes a six-part audio lesson on astronomy, bios about history's greatest and most fascinating astronomers, a glossary of popular astronomy terms, information on comets, man-made space objects, extra-solar planets and much more
- + Bring your personal planetarium with you everywhere – the durable, compact and lightweight design makes it easy to carry around
- + Database can be updated with new objects, comets, etc. for the most up-to-date informational facts free for life
- + Includes: vinyl carrying case, earphones, battery sleeves, USB cable and CD-ROM with user manual and tutorial



SkyScout Scope 90



Learn more about SkyScout by scanning the QR code with your smart phone or visit www.celestron.com/skyscout

MODEL	ITEM #
SkyScout Personal Planetarium	93970
SkyScout Scope 90	21068
SkyScout Connect	93980
Astronomy for Beginners Expansion Card	93991
All About the Stars Expansion Card	93992

SPECIFICATIONS

AstroMasterItem #	21061	21062	31035	21063	21064	31042	31045 / 31051*	21073 - NEW	21074 - NEW	31036 - NEW
Model Name	AstroMaster 70AZ	AstroMaster 70EQ	AstroMaster 76EQ	AstroMaster 90AZ	AstroMaster 90EQ	AstroMaster 114EQ	AstroMaster 130EQ	AstroMaster LT 60AZ	AstroMaster LT 70AZ	AstroMaster LT 76AZ
Optical Design / Aperture	Refractor / 70 mm (2.8")	Refractor / 70 mm (2.8")	Reflector / 76 mm (3")	Refractor / 90 mm (3.5")	Refractor / 90 mm (3.5")	Reflector / 114 mm (4.5")	Reflector / 130 mm (5")	Refractor / 60 mm (2.4")	Refractor / 70 mm (2.8")	Reflector / 76 mm (3")
Focal Length / Focal Ratio	900 mm / f/13	900 mm / f/13	700 mm / f/9	1000 mm / f/11	1000 mm / f/11	1000 mm / f/9	650 mm / f/5	700 mm /f/12	700 mm / f/10	700mm / f/9
Finderscope	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer
Mount	Altazimuth	CG-2 Equatorial	CG-2 Equatorial	Altazimuth	CG-3 Equatorial	CG-2 Equatorial	CG-3 Equatorial	Altazimuth	Altazimuth	Altazimuth
Eyepiece / Magnification	20 mm (45x) / 10 mm (90x)	20 mm (45x) / 10 mm (90x)	20 mm (35x)** / 10 mm (70x)	20 mm (50x) / 10 mm (100x)	20 mm (50x) / 10 mm (100x)	20 mm (50x)** / 10 mm (100x)	20 mm (33x)** / 10 mm (65x)	20 mm (35x) / 10 mm (75x)	20 mm (35x) / 10 mm (75x)	20 mm (35x) / 10 mm (75x)
Erect Image Diagonal	1.25"	1.25"	n/a	1.25"	1.25"	n/a	n/a	n/a	n/a	n/a
Tripod	1.25" steel tubes	1.25" steel tubes	1.25" steel tubes	1.25" steel tubes	1.25" steel tubes	1.25" steel tubes	1.25" steel tubes	1" steel tubes	1" steel tubes	1" steel tubes
CD-ROM	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX
Highest Useful Magnification	165x	165x	180x	213x	213x	269x	306x	144x	162x	180x
Limiting Stellar Magnitude	11.7	11.7	11.9	12.3	12.3	12.8	13.1	11.4	11.7	11.9
Resolution: Rayleigh Dawes Limit	1.98 arc seconds 1.66 arc seconds	1.98 arc seconds 1.66 arc seconds	1.82 arc seconds 1.53 arc seconds	1.54 arc seconds 1.29 arc seconds	1.54 arc seconds 1.29 arc seconds	1.21 arc seconds 1.02 arc seconds	1.06 arc seconds .89 arc seconds	2.32 arc seconds 1.93 arc seconds	1.99 arc seconds 1.66 arc seconds	1.83 arc seconds 1.53 arc seconds
Light Gathering Power	100x	100x	118x	165x	165x	265x	345x	73x	100x	118x
Angular Field of View: 20 mm	1.1°	1.1°	1.4°	1°	1°	1°	1.5°	1.7°	1.7°	1.7°
Linear FOV (@1000 yds)	58 ft.	58 ft.	75 ft.	53 ft.	53 ft.	53 ft.	79 ft.	89 ft.	89 ft.	89 ft.
Secondary Mirror Obstruction, Diameter, Area	n/a	n/a	1", 33%, 11%	n/a	n/a	1.4", 31%, 10%	1.7", 34%, 12%	n/a	n/a	1", 33%, 11%
Optical Coatings	Fully-Coated	Fully-Coated	Aluminum w/ SiO2	Multi-Coated	Multi-Coated	Aluminum w/ SiO2	Aluminum w/ SiO2	Fully-Coated	Fully-Coated	Aluminum w/ SiO2
Optical Tube Length	36 in (91 cm)	36 in (91 cm)	26 in (66 cm)	36 in (91 cm)	36 in (91 cm)	20 in (51 cm)	24 in (61 cm)	28 in (61 cm)	28 in (61 cm)	26 in (66 cm)
Telescope Weight	18 lbs (8.16 kg)	18 lbs (8.16 kg)	16 lbs (7.25 kg)	20 lbs (9.02 kg)	27 lbs (12.25 kg)	17 lbs (7.71 kg)	28 lbs (12.20 kg)	13 lbs (8.89 kg)	16 lbs (7.25 kg)	12 lbs (5.44 kg)

*Includes Motor Drive **Erect Image

Omni XLT Item #	21088	21090	21094	31057	11084
Model Name	Omni XLT 102	Omni XLT 120	Omni XLT 150 R	Omni XLT 150	Omni XLT 127
Optical Design / Aperture	Refractor / 102 mm (4")	Refractor / 120 mm (4.7")	Refractor / 150 mm (6")	Newtonian Reflector / 150 mm (6")	Schmidt-Cassegrain / 127 mm (5")
Focal Length / Focal Ratio	1000 mm / f/10	1000 mm / f/8.3	750 mm / f/5	750 mm / f/5	1250 mm
Optical Coatings	StarBright XLT	StarBright XLT	StarBright XLT	StarBright XLT	StarBright XLT
Focuser	2" with 1-1/4" Adapter	2" with 1-1/4" Adapter	2" with 1-1/4" Adapter	1-1/4"	Standard SCT 1.25" Visual Back
Finderscope	6x30	6x30	6x30	6x30	6x30
Star Diagonal – 1.25"	Yes	Yes	Yes	n/a	Yes
Eyepiece / Mag	25 mm / (40x)	25 mm/ (40x)	25 mm/ (30x)	25 mm/ (30x)	25 mm/ (50x)
CD-ROM	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX
Mount Type	CG-4 German Equatorial	CG-4 German Equatorial	CG-4 German Equatorial	CG-4 German Equatorial	CG-4 German Equatorial
Tripod w/bubble level	1.75" Stainless Steel Legs	1.75" Stainless Steel Legs	1.75" Stainless Steel Legs	1.75" Stainless Steel Legs	1.75" Stainless Steel Legs
Counterweights	7 lbs and 4 lbs (3.2 kg and 1.8 kg)	7 lbs and 4 lbs (3.2 kg and 1.8 kg)	7 lbs and 4 lbs (3.2 kg and 1.8 kg)	7 lbs and 4 lbs (3.2 kg and 1.8 kg)	7 lbs and 4 lbs (3.2 kg and 1.8 kg)
Highest Useful Magnification	240x	283x	360x	360x	300x
Lowest Useful Magnification	15x	17x	21x	21x	18x
Limiting Stellar Magnitude	12.5	12.9	13.4	13.4	13.1
Resolution: Rayleigh / Dawes Limit	1.36 arc seconds / 1.14 arc seconds	1.19 arc seconds / 0.97 arc seconds	0.92 arc seconds / 0.76 arc seconds	0.92 arc seconds / 0.76 arc seconds	1.1 arc seconds / 0.91 arc seconds
Light Gathering Power	212x unaided eye	294x unaided eye	459x unaided eye	459x unaided eye	329x unaided eye
Angular Field of View: 25 mm eyepiece	1.25°	1.25°	1.67°	1.67°	1.0°
Linear FOV (@1000 yds)	66 ft.	66 ft.	88 ft.	88 ft.	53 ft.
Secondary Mirror Obstruction, Diameter, Area	n/a	n/a	n/a	1.75", 29%, 8.5%	1.75", 35%, 12%
Optical Tube Length	40 in (101 cm)	40 in (101 cm)	34 in (86 cm)	27 in (68.5 cm)	11 in (28 cm)
Telescope Weight	43 lbs (19.5 kg)	46 lbs (20.9 kg)	49.5 lbs (22.5 kg)	45.5 lbs (20.6 kg)	40 lbs (18.2 kg)

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SPECIFICATIONS

LCM Item #	22050	22052	31151	22051	22054	31150
Model Name	60LCM	70LCM	76LCM	80LCM	90LCM	114LCM
Optical Design / Aperture	Refractor / 60 mm (2.4")	Refractor / 70 mm (2.8")	Reflector / 76 mm (3")	Refractor / 80 mm (3.1")	Refractor / 90 mm (3.5")	Reflector / 114 mm (4.5")
Focal Length / Focal Ratio	700 mm / f/12	900 mm / f/11	700 mm / f/9	900 mm / f/11	660 mm / f/7	1000 mm / f/8.8
Finderscope	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer	Built-on StarPointer
Mount	Computerized Altazimuth	Computerized Altazimuth	Computerized Altazimuth	Computerized Altazimuth	Computerized Altazimuth	Computerized Altazimuth
Eyepiece / Magnification	25 mm / (28x), 9 mm / (78x)	25 mm / (36x), 9 mm / (100x)	25 mm / (28x), 9 mm (78x)	25 mm / (36x), 9 mm / (100x)	25 mm / (26x), 9 mm / (73x)	25 mm / (40x), 9 mm / (111x)
Star Diagonal	1.25" Erect Image	1.25" Erect Image	n/a	1.25" Erect Image	1.25" Erect Image	n/a
Tripod	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
CD-ROM	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX
Database	4,000 Object Database	4,000 Object Database	4,000 Object Database	4,000 Object Database	4,000 Object Database	4,000 Object Database
Slew Speeds	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX	
Tracking Rates / Tracking Modes	Sidereal, Solar and Lunar / Alt-Az, EQ North and EQ South	Sidereal, Solar and Lunar / Alt-Az, EQ North and EQ South	Sidereal, Solar and Lunar / Alt-Az, EQ North and EQ South	Sidereal, Solar and Lunar / Alt-Az, EQ North and EQ South	Sidereal, Solar and Lunar / Alt-Az, EQ North and EQ South	Sidereal, Solar and Lunar / Alt-Az, EQ North and EQ South
Power Requirements	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA
Alignment Procedures	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System
Highest Useful Magnification	142x	168x	180x	189x	210x	269x
Limiting Stellar Magnitude	11.4	12	12.8	12.0	12.3	12.8
Resolution: Rayleigh / Dawes Limit	2.32 arc seconds / 1.93 arc seconds	1.98 arc seconds / 1.68 arc seconds	1.82 arc seconds / 1.53 arc seconds	1.74 arc seconds / 1.45 arc seconds	1.34 arc seconds / 1.29 arc seconds	1.22 arc seconds / 1.02 arc seconds
Light Gathering Power	73x	100x	118x	130x	165x	265x
FOV View (degrees) w/ low power eyepiece	1.6°	1.25°	1.6°	1.25°	1.70°	1.13°
Linear FOV (@1000 yds)	84 ft.	66 ft.	84 ft	66 ft	89 ft	59 ft
Optical Coatings	Fully-Coated	Fully-Coated	Aluminum w/ SiO2	Fully-Coated	Fully-Coated	Aluminum w/ SiO2
Secondary Mirror Obstruction, Diameter, Area	n/a	n/a	1.6", 36%, 13%	n/a	n/a	1.4", 31%, 10%
Telescope Weight	10 lbs (4.5 kg)	12 lbs (5.4 kg)	13 lbs (5.9 kg)	14 lbs (6.4 kg)	15 lbs (6.8 kg)	15 lbs (6.8 kg)

NexStar SLT Item #	22087	22097	22096	31145
Model Name	NexStar 90 SLT	NexStar 127 SLT	NexStar 102 SLT	NexStar 130 SLT
Optical Design / Aperture	Maksutov-Cassegrain / 90 mm (3.5")	Maksutov-Cassegrain / 127 mm (5")	Refractor / 102 mm (4")	Reflector / 130 mm (5.1")
Focal Length / Focal Ratio	1250 mm / f/14	1500 mm / f/12	660 mm / f/6	650 mm / f/5
Finderscope	StarPointer	StarPointer	StarPointer	StarPointer
Mount	Computerized Altazimuth	Computerized Altazimuth	Computerized Altazimuth	Computerized Altazimuth
Eyepiece / Magnification / Star Diagonal	25 mm (50x), 9 mm (139x) / 1.25"	25 mm (60x), 9 mm (167x) / 1.25"	25 mm (26x), 9 mm (73x) / 1.25"	25 mm (26x), 9 mm (72x) / n/a
Tripod	Pre-assembled Steel	Pre-assembled Steel	Pre-assembled Steel	Pre-assembled Steel
CD-ROM	TheSkyX and NSOL	TheSkyX and NSOL	TheSkyX and NSOL	TheSkyX and NSOL
Telescope Control System	NexStar Computer Control System	NexStar Computer Control System	NexStar Computer Control System	NexStar Computer Control System
Database	4,000 Object Database	4,000 Object Database	4,000 Object Database	4,000 Object Database
Slew Speeds	Nine slew speeds, 4°/sec MAX	Nine slew speeds, 4°/sec MAX	Nine slew speeds, 4°/sec MAX	Nine slew speeds, 4°/sec MAX
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	Alt-Az, EQ North and EQ South	Alt-Az, EQ North and EQ South	Alt-Az, EQ North and EQ South	Alt-Az, EQ North and EQ South
Power Requirements	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA
GPS Compatible	SkySync	SkySync	SkySync	SkySync
Alignment Procedures	SkyAlign, Auto 2-Star Align,1-Star Align,	SkyAlign, Auto 2-Star Align,1-Star Align,	SkyAlign, Auto 2-Star Align,1-Star Align,	SkyAlign, Auto 2-Star Align,1-Star Align,
Highest Useful Magnification	213x	300x	240x	306x
Limiting Stellar Magnitude	12.3	13	12.5	13.1
Resolution: Rayleigh / Dawes Limit	1.55 arc seconds / 1.29 arc seconds	1.1 arc seconds / .91 arc seconds	1.36 arc seconds / 1.14 arc seconds	1.06 arc seconds / .89 arc seconds
Light Gathering Power	165x unaided eye	329x unaided eye	212x unaided eye	345x unaided eye
Field of View (degrees) w/ low power eyepiece	1°	.83°	1.7°	1.7°
Linear FOV (@1000 yds)	53 ft.	44 ft.	91 ft.	91 ft.
Optical Coatings	Fully-Coated	Fully-Coated	Multi-Coated	Aluminum w/ SiO2
Secondary Mirror Obstruction, Diameter, Area	1", 28%, 8%	1.5", 30%, 9%	n/a	1.7", 34%, 12%
Telescope Weight / Optical Tube Length	12 lbs (5.4 kg) / 11" (28 cm)	18 lbs (8.2 kg) / 15" (38 cm)	14 lbs (6.3 kg) / 23" (58 cm)	18 lbs (8.2 kg) / 21" (53 cm)

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SPECIFICATIONS

SkyProdigy Item #	22089	22091	22090	31145	11076
Model Name	SkyProdigy 70	SkyProdigy 90	SkyProdigy 102	SkyProdigy 130	SkyProdigy 6
Optical Design / Aperture	Refractor / 70 mm (2.76 in)	Maksutov-Cassegrain / 90 mm (3.54 in)	Refractor / 102 mm (4.02 in)	Newtonian Reflector / 130 mm (5.12 in)	Schmidt-Cassegrain / 152 mm (6 in)
Focal Length / Focal Ratio	700 mm (28 in) / f/ 10	1250 mm (49 in) / f/ 14	660 mm (25.98 in) / f/6.5	650 mm (26 in) / f/ 5	1500 mm (59 in) / f/10
Finderscope	StarPointer	StarPointer	StarPointer	StarPointer	StarPointer
Mount	Motorized Altazimuth	Motorized Altazimuth	Motorized Altazimuth	Motorized Altazimuth	Motorized Altazimuth
Eyepiece / Magnification	25 mm / (28x), 9 mm (78x)	25 mm / (50x),9 mm / (39x)	25 mm / (26x), 9 mm / (73x)	25 mm / (26x), 9 mm / (72)	25 mm (0.98 in), 9 mm (176x)
Tripod	Steel	Steel	Steel	Steel	Steel
CD-ROM	The SkyX	The SkyX	The SkyX	The SkyX	The SkyX
Computer Hand Control	Fully Computerized / Flash Upgradeable	Fully Computerized / Flash Upgradeable	Fully Computerized / Flash Upgradeable	Fully Computerized / Flash Upgradeable	Fully Computerized / Flash Upgradeable
Database	40,000 Object Database	40,000 Object Database	40,000 Object Database	40,000 Object Database	40,000 Object Database
Slew Speeds	3.5°/sec, 2°/sec, 1°/sec, .5°/sec, 32x, 16x, 8x, 4x, 2x	3.5°/sec, 2°/sec, 1°/sec, .5°/sec, 32x, 16x, 8x, 4x, 2x	3.5°/sec, 2°/sec, 1°/sec, .5°/sec, 32x, 16x, 8x, 4x, 2x	3.5°/sec, 2°/sec, 1°/sec, .5°/sec, 32x, 16x, 8x, 4x, 2x	3.5°/sec, 2°/sec, 1°/sec, .5°/sec, 32x, 16x, 8x, 4x, 2x
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	Alt-Az	Alt-Az	Alt-Az	Alt-Az	Alt-Az
Power Requirements	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA
Alignment Procedures	StarSense Automatic Alignment, Solar System Align, Manual Align	StarSense Automatic Alignment, Solar System Align, Manual Align	StarSense Automatic Alignment, Solar System Align, Manual Align	StarSense Automatic Alignment, Solar System Align, Manual Align	StarSense Automatic Alignment, Solar System Align, Manual Align
Highest Useful Magnification	165x	213x	241x	307x	354x
Lowest Useful Magnification	10x	13x	15x	19x	22x
Limiting Stellar Magnitude	11.7	12.3	12.5	73	13.4
Resolution: Rayleigh / Dawes Limit	1.99 arc seconds 1.66 arc seconds	1.55 arc seconds 1.29 arc seconds	1.37 arc seconds 1.14 arc seconds	1.07 arc seconds 0.89 arc seconds	.93 arc seconds .77 arc seconds
Light Gathering Power	100 x	165 x	212 x	345 x	459 x
Angular Field of View (degrees)	1.7 °	1 °	1.7 °	1.9 °	.75 °
Linear FOV (@1000 yds)	91 ft (28 m)	53.5 ft (16 m)	91 ft (27.74 m)	103 ft (31 m)	39.38 ft (12 m)
Optical Coatings	Fully-Coated	Fully Multi-Coated	Fully Multi-Coated	Aluminum w/ SiO2 overcoat	StarIBright XLT
Secondary Mirror Obstruction, Diameter, Area	n/a	1.7 in (43 mm), 48 %, 23 %	n/a	1.7 in (43 mm), 33 %, 11 %	2.2 in (55.88 mm), 37.3%, 13.9 %
Telescope Weight	14 lbs (6.35 kg)	16 lbs (7.26 kg)	20 lbs (9.09 kg)	18 lbs (8.16 kg)	23 lbs (10.43 kg)

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SPECIFICATIONS

NexStar SE Item #	11049	11036	11068	11069
Model Name	NexStar 4SE	NexStar 5SE	NexStar 6SE	NexStar 8SE
Optical Design / Aperture	Maksutov-Cassegrain / 102 mm (4")	Schmidt-Cassegrain / 125 mm (5")	Schmidt-Cassegrain / 150 mm (6")	Schmidt-Cassegrain / 203 mm (8")
Focal Length / Focal Ratio	1325 mm / f/13	1250 mm / f/10	1500 mm / f/10	2032 mm / f/10
Optical Coatings	StarBright XLT	StarBright XLT	StarBright XLT	StarBright XLT
Optical Tube	Aluminum, metallic orange	Aluminum, metallic orange	Aluminum, metallic orange	Aluminum, metallic orange
Mount	Single fork arm, altazimuth	Single fork arm, altazimuth	Single fork arm, altazimuth	Single fork arm, altazimuth
Dovetail	Quick release tube clamp	Quick release tube clamp	Quick release tube clamp	Quick release tube clamp
Eyepiece / Magnification	25 mm / (53x)	25 mm / (50x)	25 mm / (60x)	25 mm / (81x)
Finderscope	StarPointer	StarPointer	StarPointer	StarPointer
Diagonal	Internal flip mirror for straight or 90° viewing angle	Star diagonal, 1.25"	Star diagonal, 1.25"	Star diagonal, 1.25"
Tripod	Pre-assembled steel with built-in wedge	Pre-assembled steel with built-in wedge	Pre-assembled steel	Pre-assembled steel
CD-ROM	NexRemote® and TheSkyX	NexRemote and TheSkyX	NexRemote and TheSkyX	NexRemote and TheSkyX
Camera Shutter Cable	Yes	Yes	No	No
Power Supply	8-AA batteries (user supplied)	8-AA batteries (user supplied)	8-AA batteries (user supplied)	8-AA batteries (user supplied)
Highest Useful Magnification	240x	300x	354x	480x
Limiting Stellar Magnitude	12.5	13	13.4	14
Resolution: Rayleigh / Dawes Limit	1.36 arc seconds / 1.14 arc seconds	1.1 arc seconds / .91 arc seconds	.92 arc seconds / .77 arc seconds	.68 arc seconds / .57 arc seconds
Light Gathering Power	212x unaided eye	329x unaided eye	459x unaided eye	843x unaided eye
Field of View (degrees)	1°	1°	.83°	.63°
Linear FOV (@1000 yds)	52.5 ft.	52.5 ft.	43.8 ft.	33 ft.
Optical Tube Length	13.5 in (34 cm)	13 in (33 cm)	16 in (41 cm)	17 in (43 cm)
Telescope Weight	21 lbs (9.5 kg)	27.6 lbs (12.5 kg)	30 lbs (13.6 kg)	33 lbs (15 kg)
Database	40,000+ Objects	40,000+ Objects	40,000+ Objects	40,000+ Objects
Slew Speeds	Nine slew speeds, 4°/sec MAX	Nine slew speeds, 4°/sec MAX	Nine slew speeds, 5°/sec MAX	Nine slew speeds, 5°/sec MAX
Ports	RS-232, Aux, Camera Control	RS-232, Aux, Camera Control	RS-232, Aux	RS-232, Aux
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	Alt-Az, EQ North and EQ South	Alt-Az, EQ North and EQ South	Alt-Az, EQ North and EQ South	Alt-Az, EQ North and EQ South
Power Requirements	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA	12 VDC 750mA
GPS Compatible	SkySync	SkySync	SkySync	SkySync
Alignment Procedures	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align and Solar System

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SPECIFICATIONS

CPC Item #	11073-XLT	11074-XLT	11075-XLT
Model Name	CPC 800	CPC 925	CPC 1100
Optical Design	Schmidt-Cassegrain	Schmidt-Cassegrain	Schmidt-Cassegrain
Aperture	8" (203 mm)	9.25" (235 mm)	11" (279 mm)
Focal Length / Focal Ratio	2032 mm / f/10	2350 mm / f/10	2800 mm / f/10
Finderscope	9x50	9x50	9x50
Mount	Dual Fork Arm	Dual Fork Arm	Dual Fork Arm
Optical Tube	Aluminum	Aluminum	Aluminum
Eyepiece / Magnification	40 mm Plössl (51x)	40 mm Plössl (59x)	40 mm Plössl (70x)
Star Diagonal	1.25"	1.25"	1.25"
Tripod / Accessory Tray	Heavy Duty Steel Adjustable with Leg Brace and Eyepiece Holder	Heavy Duty Steel Adjustable with Leg Brace and Eyepiece Holder	Heavy Duty Steel Adjustable with Leg Brace and Eyepiece Holder
Power Supply	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter
Telescope Control System	NexStar Computer Control System	NexStar Computer Control System	NexStar Computer Control System
CD-ROM	NexRemote control software w/RS232 cable	NexRemote control software w/RS232 cable	NexRemote control software w/RS232 cable
Computerized Hand Control	Double line 16 character, Liquid Crystal Display; 19 LED backlit buttons	Double line 16 character, Liquid Crystal Display; 19 LED backlit buttons	Double line 16 character, Liquid Crystal Display; 19 LED backlit buttons
Hand Control Ports	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control
Drive Base Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports
Database	40,000 Object Database	40,000 Object Database	40,000 Object Database
GPS	Internal 16 channel	Internal 16 channel	Internal 16 channel
Motor Type	DC Servo motors with encoders, both axes	DC Servo motors with encoders, both axes	DC Servo motors with encoders, both axes
Motor Resolution	.1406 arc seconds	.1406 arc seconds	.1406 arc seconds
Slew Speeds	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX
Software Precision	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	Altazimuth, EQ North and EQ South	Altazimuth, EQ North and EQ South	Altazimuth, EQ North and EQ South
Power Requirements	12VDC 1.5A	12VDC 1.5A	12VDC 1.5A
Alignment Procedures	SkyAlign, Auto Two Star Align, One-Star Align, EQ Align, Solar System Align	SkyAlign, Auto Two Star Align, One-Star Align, EQ Align, Solar System Align	SkyAlign, Auto Two Star Align, One-Star Align, EQ Align, Solar System Align
Fork Arm	Dual fork arm, cast aluminum w/ detachable HC cradle	Dual fork arm, cast aluminum w/ detachable HC cradle	Dual fork arm, cast aluminum w/ detachable HC cradle
Gear	5.625" 180 tooth hard anodized aluminum gear mated w/ brass worm	5.625" 180 tooth hard anodized aluminum gear mated w/ brass worm	5.625" 180 tooth hard anodized aluminum gear mated w/ brass worm
Bearings	9.8" azimuth bearing	9.8" azimuth bearing	9.8" azimuth bearing
Periodic Error Correction	Permanently Programmable	Permanently Programmable	Permanently Programmable
Highest Useful Magnification	480x	555x	660x
Lowest Useful Magnification	29x	29x	29x
Limiting Stellar Magnitude	14	14.4	14.7
Resolution: Rayleigh / Dawes Limit	.68 arc seconds	.59 arc seconds	.50 arc seconds
Light Gathering Power	843x unaided eye	1127x unaided eye	1593x unaided eye
Field of View: standard eyepiece	.8°	.7°	.6°
Linear FOV (@1000 yds)	42 ft.	38 ft.	32 ft.
Optical Coatings	StarBright XLT Coatings	StarBright XLT Coatings	StarBright XLT Coatings
Secondary Mirror Obstruction	2.5"	3.35"	3.75"
Optical Tube Length	17 in (43 cm)	22 in (56 cm)	23 in (59 cm)
Telescope Weight	69 lbs (31.3 kg)	85 lbs (38.5 kg)	92 lbs (47.7 kg)

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SPECIFICATIONS

CPC Deluxe HD Item #	11007	11008	11009
Model Name	CPC Deluxe 800 HD	CPC Deluxe 925 HD	CPC Deluxe 1100 HD
Optical Design	EdgeHD	EdgeHD	EdgeHD
Aperture	203.2 mm (8 in)	235 mm (9.25 in)	279 mm (11 in)
Focal Length / Focal Ratio	2032 mm / f/ 10	2350 mm / f/10	2800 mm / f/10
Finderscope	9x50	9x50	9x50
Mount	Dual Fork Arm	Dual Fork Arm	Dual Fork Arm
Optical Tube	Aluminum	Aluminum	Aluminum
Eyepiece	40 mm	23 mm	23 mm
Star Diagonal	1.25"	1.25"	2" w/ 1.25" adapter
Tripod / Accessory Tray	Heavy Duty Stainless Steel Adjustable /Die Cast Aluminum Leg Brace / Eyepiece holde	Heavy Duty Stainless Steel Adjustable /Die Cast Aluminum Leg Brace / Eyepiece holde	Heavy Duty Stainless Steel Adjustable /Die Cast Aluminum Leg Brace / Eyepiece holde
Power Supply	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter
Telescope Control System	NexStar Computer Control System	NexStar Computer Control System	NexStar Computer Control System
CD-ROM	NexRemote control software with RS-232 cable	NexRemote control software with RS-232 cable	NexRemote control software with RS-232 cable
Computerized Hand Control	Flash upgradeable, double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Flash upgradeable, double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Flash upgradeable, double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons
Hand Control Ports	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control
Drive Base Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports
Database	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects
GPS	Internal 16 channel	Internal 16 channel	Internal 16 channel
Motor Type	DC Servo motors with encoders, both axes	DC Servo motors with encoders, both axes	DC Servo motors with encoders, both axes
Motor Resolution	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds
Slew Speeds	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX	Nine slew speeds, 3°/sec MAX
Software Precision	24 bit, 0.08 arc seconds	24 bit, 0.08 arc seconds	24 bit, 0.08 arc seconds
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	Altazimuth, EQ North and EQ South	Altazimuth, EQ North and EQ South	Altazimuth, EQ North and EQ South
Power Requirements	12VDC 2.5A	12VDC 2.5A	12VDC 2.5A
Alignment Procedures	SkyAlign, Auto Two-Star Alignment, Two-star Align, SolarSystem Align, EQ North Align, EQ South Align, One-Star Align	SkyAlign, Auto Two-Star Alignment, Two-star Align, SolarSystem Align, EQ North Align, EQ South Align, One-Star Align	SkyAlign, Auto Two-Star Alignment, Two-star Align, SolarSystem Align, EQ North Align, EQ South Align, One-Star Align
Fork Arm	Dual fork arm, cast aluminum	Dual fork arm, cast aluminum	Dual fork arm, cast aluminum
RA Gear	6" Brass worm wheel, 180 tooth, .75" Stainless steel worm gear	6" Brass worm wheel, 180 tooth, .75" Stainless steel worm gear	6" Brass worm wheel, 180 tooth, .75" Stainless steel worm gear
Azimuth Bearings	9.8" diameter race, ball bearing	9.8" diameter race, ball bearing	9.8" diameter race, ball bearing
Periodic Error Correction	Permanently Programmable	Permanently Programmable	Permanently Programmable
Highest Useful Magnification	480x	555x	661x
Lowest Useful Magnification	29x	34x	40x
Limiting Stellar Magnitude	14	14.4	14.7
Resolution: Rayleigh / Dawes Limit	0.69 arc seconds / 0.57 arc seconds	0.59 arc seconds / 0.49 arc seconds	0.5 arc seconds / 0.41 arc seconds
Light Gathering Power	843x	1127x	1600x
Angular Field of View (degrees)	0.8 °	0.8 °	0.67 °
Linear FOV (@1000 yds)	42 ft (13 m)	38 ft.	32 ft
Optical Coatings	Starbright XLT Coating	Starbright XLT Coating	Starbright XLT Coating
Secondary Mirror Obstruction	2.5 in (64 mm)	3.35 in (85 mm)	3.75 in (95 mm)
Optical Tube Length	17" (43 cm)	22" (56 cm)	23" (59 cm)
Telescope Weight	70 lbs (31.8 kg)	85 lbs (38.5 kg)	93 lbs (42.2 kg)

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SPECIFICATIONS

Advanced Item #	31054	21020	11026-XLT	31062	11046-XLT	11048	11067-XLT	11079-XLT
Model Name	C6-NGT	C6-RGT	C8-SGT	C8-NGT	C9.25-SGT	C10-NGT	C11-SGT	C6-SGT
Optical Design	Reflector	Refractor	Schmidt-Cassegrain	Reflector	Schmidt-Cassegrain	Reflector	Schmidt-Cassegrain	Schmidt-Cassegrain
Aperture	150 mm (6")	150 mm (6")	203 mm (8")	200 mm (8")	235 mm (9.25")	254 mm (10")	279 mm (11")	150 mm (5.9")
Focal Length / Focal Ratio	750 mm / f/5	1200 mm / f/8	2032 mm / f/10	1000 mm / f/5	2350 mm / f/10	1200 mm / f/4.7	2800 mm / f/10	1500 mm / f/10
Eyepiece / Magnification	20 mm / (38x)	20 mm / (60x)	25 mm / (81x)	20 mm / (50x)	25 mm / (94x)	20 mm / (60x)	40 mm / (70x)	25 mm / (60x)
Finderscope	6x30	9x50	6x30	9x50	6x30	9x50	9x50	6x30
Mount	Computerized CG-5 Equatorial	Computerized CG-5 Equatorial	Computerized CG-5 Equatorial	Computerized CG-5 Equatorial	Computerized CG-5 Equatorial	Computerized CG-5 Equatorial	Computerized CG-5 Equatorial	Computerized CG-5 Equatorial
Star Diagonal	n/a	1.25"	1.25"	n/a	1.25"	n/a	1.25"	1.25"
Accessory Tray	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tripod	2" Stainless Steel	2" Stainless Steel	2" Stainless Steel	2" Stainless Steel	2" Stainless Steel	2" Stainless Steel	2" Stainless Steel	2" Stainless Steel
CD-ROM	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX	TheSkyX
Counterweights	1-7 lbs, 1-4 lbs, 1-11 lbs	2-11 lbs	1-11 lbs	2-11 lbs	2-11 lbs	3-11 lbs	3-11 lbs	3-11 lbs
Power Supply	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter
Highest Useful Magnification	354x	354x	480x	480x	555x	600x	660x	354x
Lowest Useful Magnification	21x	21x	29x	29x	34x	36x	40x	21x
Limiting Stellar Magnitude	13.4	13.4	14	14	14.4	14.5	14.7	83
Resolution: Rayleigh Dawes Limit	.93 arc seconds .77 arc seconds	.93 arc seconds .77 arc seconds	.69 arc seconds .57 arc seconds	.69 arc seconds .57 arc seconds	.59 arc seconds .49 arc seconds	.55 arc seconds .46 arc seconds	.50 arc seconds .41 arc seconds	.93 arc seconds .77 arc seconds
Light Gathering Power	459x unaided eye	459x unaided eye	843x unaided eye	843x unaided eye	1127x unaided eye	1316x unaided eye	1593x unaided eye	459x unaided eye
Field of View: standard eyepiece	1.3°	.83°	.64°	1°	.55°	.83°	.71°	.83 °
Linear FOV (@1000 yds)	68 ft	43.8 ft	33.6 ft	52.5 ft	29 ft	43.8 ft	38 ft	44 ft
Optical Coatings	Aluminum w/ SiO2	Multi-Coated	StarBright XLT	Aluminum w/ SiO2	StarBright XLT	Aluminum w/ SiO2	StarBright XLT	StarBright XLT
Secondary Mirror Obstruction, Diameter, Area	1.75",30%, 8.8%	n/a	2.7", 34%, 11%	2.2", 28%, 8%	3.35", 36%, 13%	2.3", 23%, 5%	3.75", 34%, 12%	2.2 in , 37 % , 14 %
Optical Tube Length	27 in (69 cm)	50.5 in (128 cm)	17 in (43 cm)	37 in (94 cm)	22 in (56 cm)	45 in (114 cm)	24 in (61 cm)	16 in (69 cm)
Telescope Weight	54 lbs (24.5 kg)	68 lbs (30.8 kg)	54.5 lbs (24.7 kg)	67 lbs (30.4 kg)	73 lbs (33.1 kg)	93 lbs (42.2 kg)	91 lbs (41.3 kg)	52 lbs (23.6 kg)
Computerized Hand Control	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons	Double line, 16 character Liquid Crystal Display; 19 LED backlit buttons
Slew Speeds	Nine slew speeds, 3°/ sec MAX	Nine slew speeds, 3°/ sec MAX	Nine slew speeds, 3°/ sec MAX	Nine slew speeds, 3°/ sec MAX	Nine slew speeds, 3°/ sec MAX	Nine slew speeds, 3°/ sec MAX	Nine slew speeds, 3°/ sec MAX	Nine slew speeds, 3°/ sec MAX
Software Precision	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds
Hand Control Ports	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control	RS-232 communication port on hand control
Mount Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports	Aux Port, Autoguide Ports
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South
Alignment Procedure	AutoAlign, 2-Star Alignment, Quick Align	AutoAlign, 2-Star Alignment, Quick Align	AutoAlign, 2-Star Alignment, Quick Align	AutoAlign, 2-Star Alignment, Quick Align	AutoAlign, 2-Star Alignment, Quick Align	AutoAlign, 2-Star Alignment, Quick Align	AutoAlign, 2-Star Alignment, Quick Align	AutoAlign, 2-Star Alignment, Quick Align
Database	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects
Power Requirements	12VDC 1.5A	12VDC 1.5A	12VDC 1.5A	12VDC 1.5A	12VDC 1.5A	12VDC 1.5A	12VDC 1.5A	12VDC 1.5A

SPECIFICATIONS

CGEM Item #	11097	11080	11098	11081	11099	11082
Model Name	CGEM 800	CGEM 800 HD	CGEM 925	CGEM 925 HD	CGEM 1100	CGEM 1100 HD
Optical Design	Schmidt-Cassegrain	EdgeHD Optics	9.25" Schmidt-Cassegrain	EdgeHD Optics	11" Schmidt-Cassegrain	EdgeHD Optics
Aperture	203.2 mm (8")	203.2 mm (8")	235 mm (9.25")	235 mm (9.25")	280 mm (11")	280 mm (11")
Focal Length / Focal Ratio	2032 mm / f10	2032 mm / f10	2350 mm / f10	2350 mm / f10	2800 mm / f10	2800 mm / f10
Finderscope	6x30	9x50	6x30	9x50	9x50	9x50
Mount	CGEM, Computerized Equatorial	CGEM, Computerized Equatorial	CGEM, Computerized Equatorial	CGEM, Computerized Equatorial	CGEM, Computerized Equatorial	CGEM, Computerized Equatorial
Optical Tube	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Eyepiece / Magnification	25 mm / (81x)	40 mm / (51x)	25 mm / (94x)	23 mm / (102x)	40 mm / (70x)	23 mm / (122x)
Star Diagonal	1.25"	1.25"	1.25"	2" w/ 1.25" Adapter	1.25"	2" w/ 1.25" Adapter
Tripod / Accessory Tray	Adjustable, Stainless Steel	Adjustable, Stainless Steel	Adjustable, Stainless Steel	Adjustable, Stainless Steel	Adjustable, Stainless Steel	Adjustable, Stainless Steel
Power Supply	Car battery adapter	Car battery adapter	Car battery adapter	Car battery adapter	Car battery adapter	Car battery adapter
CD-ROM / PC Cable	NexRemote control software / RS232 cable	NexRemote control / software RS232 cable	NexRemote control / software RS232 cable	NexRemote control / software RS232 cable	NexRemote control / software RS232 cable	NexRemote control / software RS232 cable
Hand Control Ports	RS-232 communication port	RS-232 communication port	RS-232 communication port	RS-232 communication port	RS-232 communication port	RS-232 communication port
GPS	Optional SkySync Accessory	Optional SkySync Accessory	Optional SkySync Accessory	Optional SkySync Accessory	Optional SkySync Accessory	Optional SkySync Accessory
Motor Type	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes
Software Precision	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds	24bit, 0.08 arc seconds
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South
Highest Useful Magnification	480x	480x	555x	555x	661x	661x
Lowest Useful Magnification	29x	29x	34x	34x	40x	40x
Limiting Stellar Magnitude	14	14	14.4	14.4	14.7	14.7
Resolution: Rayleigh Dawes Limit	0.69 arc seconds 0.57 arc seconds	0.69 arc seconds 0.57 arc seconds	0.59 arc seconds 0.49 arc seconds	0.59 arc seconds 0.49 arc seconds	0.5 arc seconds 0.41 arc seconds	0.5 arc seconds 0.41 arc seconds
Light Gathering Power	843x	843x	1127x	1127x	1593x	1593x
Field of View: standard eyepiece	0.62°	0.84°	0.53°	0.8°	0.71°	0.67°
Optical Coatings	Starbright XLT Coatings	Starbright XLT Coatings	Starbright XLT Coatings	Starbright XLT Coatings	Starbright XLT Coatings	Starbright XLT Coatings
Secondary Mirror Obstruction, Diameter, Area	2.7", 33.8%, 11.4%	2.7", 33.8%, 11.4%	3.35", 36.2%, 11.4%	3.35", 36.2%, 11.4%	3.75", 34%, 11.6%	3.75", 34%, 11.6%
Optical Tube Length	17 in (43 cm)	17 in (43 cm)	22 in (56 cm)	22 in (56 cm)	24 in (61 cm)	24 in (61 cm)
Computerized Hand Control	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons
Database	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects
Slew Speeds	Nine slew speeds, 5°/sec MAX	Nine slew speeds, 5°/sec MAX	Nine slew speeds, 5°/sec MAX	Nine slew speeds, 5°/sec MAX	Nine slew speeds, 5°/sec MAX	Nine slew speeds, 5°/sec MAX
Alignment Procedures	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align
RA and Dec Gears	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel
Power Requirements	12V DC 3.2A	12V DC 3.2A	12V DC 3.2A	12V DC 3.2A	12V DC 3.2A	12V DC 3.2A
Internal Clock	Yes	Yes	Yes	Yes	Yes	Yes
Latitude Range	15-70°	15-70°	15-70°	15-70°	15-70°	15-70°
Telescope Weight	88 lbs (40 kg)	88 lbs (40 kg)	113 lbs (51 kg)	113 lbs (51 kg)	120 lbs (54 kg)	120 lbs (54 kg)

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SPECIFICATIONS

CGEM DX Item #	11000	11001	11002	11004
Model Name	CGEM DX 1100	CGEM DX 1400	CGEM DX 1100 HD	CGEM DX 1400 HD
Optical Design	Schmidt-Cassegrain	Schmidt-Cassegrain	EdgeHD Optics	EdgeHD Optics
Aperture	280 mm (11 in)	356 mm (14 in)	280 mm (11 in)	356 mm (14 in)
Focal Length / Focal Ratio	2800 mm / f/ 10	3910 mm / f/ 11	2800 mm / f/ 10	3910 mm / f/ 11
Finderscope	9x50	9x50	9x50	9x50
Mount / Mag	CGEM DX Computerized Equatorial	CGEM DX Computerized Equatorial	CGEM DX Computerized Equatorial	CGEM DX Computerized Equatorial
Optical Tube	Aluminum	Aluminum	Aluminum	Aluminum
Eyepiece / Magnification	40 mm / (70x)	40 mm / (98x)	23 mm / (122x)	23 mm / (170x)
Star Diagonal	1.25"	2" w/ 1.25" Adapter	2"	2" w/ 1.25" Adapter
Tripod	Adjustable, Stainless Steel	Adjustable, Stainless Steel	Adjustable, Stainless Steel	Adjustable, Stainless Steel
Power Supply	Car battery adapter	Car battery adapter	Car battery adapter	Car battery adapter
CD-ROM	NexRemote control software with RS232 cable	NexRemote control software with RS232 cable	NexRemote control software with RS232 cable	NexRemote control software with RS232 cable
Hand Control Ports	RS-232	RS-232	RS-232	RS-232
GPS	Optional SkySync GPS Accessory	Optional SkySync GPS Accessory	Optional SkySync GPS Accessory	Optional SkySync GPS Accessory
Motor Type	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes	Low cog DC Servo motors with encoders, both axes
Software Precision	24 bit, 0.08 arc seconds	24 bit, 0.08 arc seconds	24 bit, 0.08 arc seconds	24 bit, 0.08 arc seconds
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South	EQ North and EQ South
Highest Useful Magnification	661x	841x	661x	841x
Lowest Useful Magnification	40x	51x	40x	51x
Limiting Stellar Magnitude	14.7	15.3	14.7	15.3
Resolution: Rayleigh Dawes Limit	0.50 arc seconds 0.41 arc seconds	0.39 arc seconds 0.33 arc seconds	0.5 arc seconds 0.41 arc seconds	0.39 arc seconds 0.33 arc seconds
Light Gathering Power	1593x	2586 x	1593x	2586 x
Angular Field of View (degrees)	0.71°	0.71°	0.67°	0.48°
Optical Coatings	Starbright XLT Coatings	Starbright XLT Coatings	Starbright XLT Coatings	Starbright XLT Coatings
Secondary Mirror Obstruction, Diameter, Area	3.75 in (95 mm), 34 %, 12 %	4.5 in (114 mm), 32 %, 10 %	3.75 in (95 mm),34 %, 12 %	4.5 in in (114 mm), 32 %,10 %
Optical Tube Length	24 in (61 cm)	21 in (79 cm)	24 in (61 cm)	21 in (79 cm)
Computerized Hand Control	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons	Double line, 16 character Liquid Crystal Display; 19 fiber optic backlit LED buttons
Database	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects
Slew Speeds	Nine slew speeds: 5 °/sec, MAX	Nine slew speeds: 5 °/sec, MAX	Nine slew speeds: 5 °/sec, MAX	Nine slew speeds: 5 °/sec, MAX
Alignment Procedures	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align
RA and Dec Gear	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel	Steel worm gear and 90 mm pitch diameter brass worm wheel
Power Requirements	12V DC 3.5A	12V DC 3.5A	12V DC 3.5A	12V DC 3.5A
Internal Clock	Yes	Yes	Yes	Yes
Latitude Range	15° to 70°	15° to 70°	15° to 70°	15° to 70°
Telescope Weight	145 lbs (65.8 kg)	185 lbs (83.9 kg)	145 lbs (65.8 kg)	185 lbs (83.9 kg)

SPECIFICATIONS

CGE Pro Item #	11086	11092	11087	11093	11088	11094	11089
Model Name	CGE Pro 925	CGE Pro 925 HD	CGE Pro 1100	CGE Pro 1100 HD	CGE Pro 1400	CGE Pro 1400 HD	CGE Pro 1400 Fastar
Optical Design	Schmidt-Cassegrain	Edge HD Optics	Schmidt-Cassegrain	Edge HD Optics	Schmidt-Cassegrain	Edge HD Optics	Schmidt-Cassegrain
Aperture	235 mm (9.25")	235 mm (9.25")	280 mm (11")	280 mm (11")	356 mm (14")	356 mm (14")	356 mm (14")
Focal Length	2350 mm f/10	2350 mm f/10	2800 mm f/10	2800 mm f/10	3910 mm f/11	3910 mm f/11	3910 mm f/11
Optical Coatings	Starbright XLT	Starbright XLT	Starbright XLT	Starbright XLT	Starbright XLT	Starbright XLT	Starbright XLT
Optical Tube	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Eyepiece / Magnification	25 mm - 1.25" (94x)	23 mm (102x)	40 mm - 1.25" (70x)	23 mm (122x)	40 mm 1.25" (98x)	23 mm 170x	40 mm 1.25" (98x)
Star Diagonal	1.25"	2" with 1.25" adapter	1.25"	2" with 1.25" adapter	2" with 1.25" adapter	2" with 1.25" adapter	2" with 1.25" adapter
Finderscope	6x30	9x50	9x50	9x50	9x50	9x50	9x50
Mount	CGE Pro Computerized Equatorial	CGE Pro Computerized Equatorial	CGE Pro Computerized Equatorial	CGE Pro Computerized Equatorial	CGE Pro Computerized Equatorial	CGE Pro Computerized Equatorial	CGE Pro Computerized Equatorial
CD-ROM / PC Cable	NexRemote control software / with RS232 cable	NexRemote control software / with RS232 cable	NexRemote control software / with RS232 cable	NexRemote control software / with RS232 cable	NexRemote control software / with RS232 cable	NexRemote control software / with RS232 cable	NexRemote control software / with RS232 cable
Power Supply	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter	Car Battery Adapter
Tripod	Adjustable, Steel	Adjustable, Steel	Adjustable, Steel	Adjustable, Steel	Adjustable, Steel	Adjustable, Steel	Adjustable, Steel
Highest Useful Magnication	555x	555x	660x	660x	840x	841x	840x
Lowest Useful Magnification	34x	34x	40x	40x	51x	51x	51x
Limiting Stellar Magnitude	14.4	14.4	14.7	14.7	15.3	15.3	15.3
Resolution: Rayleigh Dawes Limit	.59 arc seconds .49 arc seconds	.59 arc seconds .49 arc seconds	.50 arc seconds .42 arc seconds	.50 arc seconds .42 arc seconds	.39 arc seconds .33 arc seconds	.39 arc seconds .33 arc seconds	.39 arc seconds .33 arc seconds
Light Gathering Power	1127x	1127x	1593x	1593x	2581x	2586x	2581x
Field of View: standard eyepiece	.53°	.8°	.71°	.61°	.51°	.48°	.51°
Secondary Mirror Obstruction Diameter, Area	3.35" 36%, 13%	3.35" 36%, 13%	3.75"4%, 12%	3.75" 34%, 12%	4.5" 32%, 10%	4.5" 32%, 10%	4.5" 32%, 10%
Weight	176 lbs (79.8 kg)	176 lbs (79.8 kg)	204 lbs (92.5 kg)	204 lbs (92.5 kg)	243 lbs (110.2 kg)	243 lbs (110.2 kg)	243 lbs (110.2 kg)
Tracking Rates	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar	Sidereal, Solar and Lunar
Tracking Modes	EQ North & EQ South	EQ North & EQ South	EQ North & EQ South	EQ North & EQ South	EQ North & EQ South	EQ North & EQ South	EQ North & EQ South
Power Requirements	12V DC 3.5A	12V DC 3.5A	12V DC 3.5A	12V DC 3.5A	12V DC 3.5A	12V DC 3.5A	12V DC 3.5A
Internal Clock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Latitude Range	10-65°	10-65°	10-65°	10-65°	10-65°	10-65°	10-65°
GPS Compatible	SkySync	SkySync	SkySync	SkySync	SkySync	SkySync	SkySync
Database	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects
Slew Speeds	Nine slew speeds, 5.5°/sec MAX	Nine slew speeds, 5.5°/sec MAX	Nine slew speeds, 5.5°/sec MAX	Nine slew speeds, 5.5°/sec MAX	Nine slew speeds, 5.5°/sec MAX	Nine slew speeds, 5.5°/sec MAX	Nine slew speeds, 5.5°/sec MAX
Alignment Procedures	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align	2-Star Align, Quick Align, 1-Star Align, Last Alignment, Solar System Align



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