



ACCESSORIES 2008

TELESCOPES • SPORT OPTICS

INTRO & TABLE OF CONTENTS

At Celestron we are consistently dedicating our engineering resources to the research and development of new product innovations and this includes our extensive line of product accessories. We carefully research each category to provide our customers with the highest quality state-of-the-art accessories. We have added many new accessories to our line and will continue to do so in order to meet the growing needs of our customers.

We don't just design our accessories for Celestron telescopes, many of our accessories are compatible with scopes from other telescope manufacturers.

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SkyScout®
Expansion Card



SKYSCOUT® EXPANSION CARDS

SkyScout® Expansion Cards for the SkyScout® Personal Planetarium® feature in-depth information on a variety of topics and are designed to be educational as well as entertaining. These cards provide additional text, audio, graphics and interactive lessons that will help you better understand the universe around us.

- Perfect for beginning and experienced astronomers.
- Information is presented in an entertaining and easy to understand fashion.
- Easy to use, simply insert the card into SkyScout's SD card slot and let the adventure begin.
- The "Astronomy For Beginners" Expansion Card includes in-depth information on objects in the sky, astronomical distances, star hopping and astro trivia.
- The "All About The Stars" Expansion Card includes in-depth information on star color, luminosity & magnitude, stellar evolution and astro trivia.
- For more information on SkyScout Expansion Card content visit us at www.celestron.com

Model #93991 "Astronomy For Beginners" SkyScout Expansion Card

Model #93992 "All About The Stars" SkyScout Expansion Card

EYEPIECES

OMNI® SERIES

If you are looking to move up to a higher quality eyepiece, the Omni series provides more enhanced features in a wider selection of focal lengths.

Celestron designed this series with the finer points in mind so you, the user, can benefit from the features that make this series unique.

- 4-element premium symmetrical Plössl optical design
- Features blackened lens edges to minimize internal reflection and maximize contrast
- Multi-layer coating group on each lens surface
- Two-step anodizing process to prevent reflection from the top of the eyepiece barrel, where other manufacturers use reflective surfaces
- Threaded barrels accept 1.25" Celestron thread-in filters



Model #	Description	Size	Focal Length	Field of View	Coatings	Eye Relief
93316	Omni	1.25"	4mm	52°	Multi-Coated	6mm
93317	Omni	1.25"	6mm	52°	Multi-Coated	5mm
93318	Omni	1.25"	9mm	52°	Multi-Coated	6mm
93319	Omni	1.25"	12.5mm	52°	Multi-Coated	8mm
93320	Omni	1.25"	15mm	52°	Multi-Coated	13mm
93321	Omni	1.25"	20mm	52°	Multi-Coated	20mm
93322	Omni	1.25"	25mm	52°	Multi-Coated	22mm
93323	Omni	1.25"	32mm	52°	Multi-Coated	22mm
93325	Omni	1.25"	40mm	43°	Multi-Coated	31mm

X-CEL® SERIES

Celestron's X-Cel Series is ideal for planetary viewing. Utilizing extra low dispersion (ED) glass on its most highly curved surfaces, to minimize chromatic aberration that can hinder sharp planetary views. With a wide 55° apparent field of view and a large 25mm clear aperture, the X-Cel is one of the most comfortable eyepieces on the market to use.

- 6-element fully multi-coated optical design
- Eyepieces are parfocal with each other, meaning little or no focusing is needed when changing from low to high power
- 20mm eye relief, perfect for eyeglass wearers
- Features soft rubber eyecups and a durable plastic case
- Threaded barrels accept 1.25" Celestron thread-in filters



Model #	Description	Size	Focal Length	Field of View	Coatings	Eye Relief
93386	X-Cel	1.25"	2.3mm	55°	Fully Multi-Coated	20mm
93387	X-Cel	1.25"	5mm	55°	Fully Multi-Coated	20mm
93388	X-Cel	1.25"	8mm	55°	Fully Multi-Coated	20mm
93389	X-Cel	1.25"	10mm	55°	Fully Multi-Coated	20mm
93390	X-Cel	1.25"	12.5mm	55°	Fully Multi-Coated	20mm
93391	X-Cel	1.25"	18mm	55°	Fully Multi-Coated	20mm
93392	X-Cel	1.25"	21mm	55°	Fully Multi-Coated	20mm
93393	X-Cel	1.25"	25mm	55°	Fully Multi-Coated	20mm

ULTIMA® LX SERIES

Ultima LX Series parfocal eyepieces feature wide fields of view for high and low magnifications.

- Extendable twist-up eyecups – Good for eyeglass wearers
- Parfocal eyepiece - Little or no focusing is needed when changing from low to high power.
- Threaded barrels - Accept 1.25" or 2" Celestron thread-in filters.
- Shock resistant rubber covering - Scratch and dent resistant
- No slip grip - Designed for secure handling even in moist conditions
- Roll guard - Ergonomic contours prevent eyepiece from rolling off flat surfaces
- 28mm clear aperture surface lens - For comfortable viewing



Model #	Description	Size	Focal Length	Field of View	Coatings	Eye Relief
93366	Ultima LX	1.25"- 2"	5mm	70°	Fully Multi-Coated	16mm
93367	Ultima LX	1.25"- 2"	8mm	70°	Fully Multi-Coated	16mm
93368	Ultima LX	1.25"- 2"	13mm	70°	Fully Multi-Coated	16mm
93369	Ultima LX	1.25"- 2"	17mm	70°	Fully Multi-Coated	16mm
93375	Ultima LX	2"	22mm	70°	Fully Multi-Coated	16mm
93376	Ultima LX	2"	32mm	70°	Fully Multi-Coated	16mm

AXIOM LX® SERIES

The Axiom LX premium eyepieces feature scratch resistant, high end design and wide fields of view for high and low magnifications.

- Retractable eyecups - Ultra-low profile for eyeglass wearers
- Parfocal eyepiece - Little or no focusing is needed when changing from low to high power
- Threaded barrels - Accept 1.25" or 2" Celestron thread-in filters
- Polished and hard anodized aluminum barrel - Scratch resistant and high-end appearance
- Rubber gripping ring - For secure handling and smooth control of eyecup



Model #	Description	Size	Focal Length	Field of View	Coatings	Eye Relief
93394	Axiom LX	1.25""	7mm	82°	Fully Multi-Coated	13mm
93395	Axiom LX	1.25""	10mm	82°	Fully Multi-Coated	13mm
93396	Axiom LX	1.25""	15mm	82°	Fully Multi-Coated	13mm
93397	Axiom LX	2"	19mm	82°	Fully Multi-Coated	13mm
93398	Axiom LX	2"	23mm	82°	Fully Multi-Coated	17mm
93399	Axiom LX	2"	31mm	82°	Fully Multi-Coated	21mm

EYEPIECES

MICRO GUIDE EYEPIECE

This multi-function guiding eyepiece features a laser-etched reticle with a built-in battery illuminator. The eyepiece is a multi-coated 12.5mm Abbe (4-element) Orthoscopic.

Usage possibilities include: direct guiding on stars outside the center of the field of view; greatly improved off-axis guiding to capture much fainter, sharply focused guide stars without reducing limiting magnitude and measuring position angles and separation of double stars.

- 42° apparent field of view
- Free of internal reflections and offers sufficient eye relief for the reticle to be viewed easily, even with eyeglasses
- Etched micrometer scale has gradations 50 microns apart and 15 microns wide
- Includes: eyepiece, built-in cordless illuminator with adjustable brightness control, batteries and instructions



Model #	Description	Size	Focal Length	Field of View	Coatings
94171	Micro Guide Eyepiece	1.25"	12.5mm	42°	Multi-Coated

PLÖSSL RETICLE EYEPIECE

Guiding (or reticle) eyepieces are mandatory for guided astrophotography. They keep a guide star stationary during long exposures to avoid star trailing.

This type of reticle pattern allows you to position the guide star in the middle square or at the intersection of two lines, whichever is easier for you. Illuminator (part #60011) is required.

- 5-element design has a reticle pattern that is a .0075" double spaced line system
- Multi-Coated optics for increased contrast and features long eye relief
- High power eyepiece ideal for guiding with its 50° apparent field of view



Model #	Description	Size	Focal Length	Field of View	Coatings
94169	Plössl Reticle Eyepiece	1.25"	10mm	50°	Multi-Coated

8-24MM ZOOM EYEPIECE

Super-premium fully multi-coated 1.25" zoom eyepiece has a focal length of 8-24mm. This zoom eyepiece offers users expanded magnification options and convenient on the fly image adjustments, making this eyepiece the perfect addition to your eyepiece collection.

- Focal length of 8mm to 24mm
- Field of view: 40-60 degrees
- Eye relief: 15-18mm
- Fully Multi-Coated optics



Model #	Description	Size	Focal Length	Field of View	Coatings
93230	Zoom Eyepiece	1.25"	8mm-24mm	40°-60°	Fully Multi-Coated

EYEPIECES & BARLOW LENSES

COLLIMATION EYEPIECE

The Celestron Cheshire Collimation Eyepiece is ideal for precise collimation of Newtonians and helpful for aligning Schmidt-Cassegrains. This special eyepiece fits into 1.25" focusers or diagonals.

Alignment is easy using the small opening on one end and thin cross hairs at the other end. The collimation eyepiece is more accurate than the simple collimation tool.

Model #94182 Cheshire Collimation Eyepiece



EXPLORASCOPE™ EYEPIECES

These eyepieces are made specifically to thread into the eyepiece barrel of our ExploraScope tabletop telescopes.

- Medium power 25mm eyepiece will provide 22x for the 80mm ExploraScope and 20x for the 100mm model.
- High power 6mm eyepiece will provide 92x for the 80mm ExploraScope and 83x for the 100mm model.

Model #93226 25mm Medium Power Eyepiece

Model #93227 6mm High Power Eyepiece



OMNI® BARLOW

The Omni Barlow is a high quality 2x Barlow lens that doubles the magnification of all 1.25" eyepieces. This economically priced Barlow has great features like low profile, 2-element fully multi-coated optical design and blackened lens edges.

Model #93326 2x Omni Barlow Lens – 1.25"



X-CEL® ED BARLOW

This quality X-Cel ED Barlow (2x - 1.25") utilizes extra low dispersion (ED) glass to minimize chromatic aberration that can hinder sharp planetary views. Fully multi-coated design for enhanced transmission and ultra low profile allows for use with various telescope optical systems.

Model #93327 2x X-Cel Barlow Lens – 1.25"



ULTIMA® BARLOW

This Ultima Barlow lens is the #1 choice among amateur astronomers who want the best performance from their optics. The Ultima Series Barlow (2x - 1.25") is an air-spaced, 3-element apochromatic design with a 27mm clear aperture.

This lens features a very high quality, fully multi-coated design. Amazingly compact and lightweight, at just 5 ounces and 2.75" in length.

Model #93506 2x Ultima Barlow Lens – 1.25"



EYEPIECE & FILTER KITS

1.25" EYEPIECE AND FILTER KIT

The Eyepiece and Filter Kit contains:

- Five Superior Grade Plössl 1.25" Eyepieces – 4-element design with a 52° AFOV (32mm has 44°), Superb color resolution, edge sharpness and clarity. All eyepieces are fully multi-coated for maximum contrast and resolution. Supplied are a 4mm, 6mm, 9mm, 15mm, and 32mm.
- 1.25" Barlow Lens - 2x – Compliments the Plössl eyepieces in this kit and gives you a total of ten power combinations. High grade glass optics with fully multi-coated lenses are used so there is no degradation of image.
- Six Colored 1.25" Eyepiece (Lunar & Planetary) Filters – Included are Kodak Wratten #12 (deep yellow), #21 (orange), #25 (red), #56 (light green), #58 (green), and #80A (blue). Since you have all the eyepieces necessary to study the planets and moon in detail, these filters will greatly enhance your enjoyment of our solar system. **For detailed filter characteristics see Appendix A on page 33.**
- 1.25" Moon Filter – A neutral density filter which allows you maximum enjoyment of the moon especially during the brighter phases.
- Aluminum Carrying Case – This sturdy and well-built case fits all of the above items in the die-cut foam interior and has room for additional accessories.

Model #94303 Eyepiece and Filter Kit – 1.25"



2" EYEPIECE AND FILTER KIT

The 2" Eyepiece and Filter Kit contains:

- Three E-Lux 2" Eyepieces – 3-element fully multi-coated optical design with a 56° apparent field of view (40mm has 50°) Comes with 26mm, 32mm and 40mm focal lengths.
- 2" 2x Barlow Lens – doubles the magnifying power of your eyepiece by doubling its effective focal length. The E-Lux 2x Barlow is fully multi-coated and gives you a total of six power combinations.
- Five Colored 2" Eyepiece (Lunar & Planetary) Filters – Included are Kodak Wratten #12 (deep yellow), #21 (orange), #25 (red), #58 (green), and #80A (blue). These filters will greatly enhance your enjoyment of our solar system. **For detailed filter characteristics see Appendix A on page 33.**
- 2" Mirror Diagonal – This high quality 90-degree multi-coated mirror diagonal allows you to take advantage of the wider field of view provided by 2" eyepieces. It fits all rear cells of Schmidt-Cassegrain telescopes and includes an adapter to use with refractor telescopes.
- Aluminum Carrying Case – This sturdy case holds all items neatly in a die-cut foam interior.

Model #94305 Eyepiece and Filter Kit – 2"





94119-10



94119-20



94119-30



94119-40

1.25" EYEPIECE FILTER SETS

Celestron color filters are mounted in black anodized aluminum cells with the Kodak Wratten Series Number individually engraved. Each set of 4 comes packed in a plastic case. The cells of each filter are double-threaded, so they can be stacked (piggybacked) in various combinations. This allows you to create different color combinations and transmission characteristics, or to have the same color characteristic, but with a lower transmission. When stacking color filters, the effective transmission of the combination you create is equal to the product of the spectral transmission of each of the filters used.

Eyepiece filters are an invaluable aid in lunar and planetary observing. They reduce glare and light scattering, increase contrast through selective filtration, increase definition and resolution, reduce irradiation and lessen eye fatigue. Celestron's filters are made of high quality, solid plane parallel glass with excellent homogeneity. They are anti-reflection coated to prevent glaring and ghosting. All eyepiece filters are threaded to fit Celestron's, and most other manufacturer's, 1.25" eyepieces, and offer a full 26mm clear aperture.

For detailed filter characteristics see Appendix A on page 33.

Model #94119-10 Eyepiece Filter Set - 1.25" (#21, #80A, #15 & Polarizing filters)

Model #94119-20 Eyepiece Filter Set - 1.25" (#12, #25, #56 & ND-25 filters)

Model #94119-30 Eyepiece Filter Set - 1.25" (#23A, #38A, #58 & ND-50 filters)

Model #94119-40 Eyepiece Filter Set - 1.25" (#8, #47, #82A & ND-13 filters)

1.25" MINUS V REFRACTOR FILTER

This high quality filter, manufactured by Baader, eliminates most color aberration inherent in achromatic refractor telescopes. The filter also reduces your view of the blue hue around lunar and planetary subjects. Features multi-layer coatings for 95% transmission.

Model # 94121 1.25" Minus V Refractor Filter



1.25" MOON FILTER

Celestron's Moon Filter is an economical eyepiece filter for reducing the brightness of the moon and improving contrast, so greater detail can be observed on the lunar surface. The clear aperture is 21mm and the transmission is about 18%.

Model #94119-A 1.25" Moon Filter



1.25" UV/IR CUT-OFF FILTER

The ultimate UV and Infrared blocker, featuring hard ion beam coatings, and fine optically polished glass. The ideal filter for NexImage and CCD imaging.

Freedom from ghost images (very low reflection multi-coating) enables pinpoint star images and fine planetary detail. Features an extremely sharp cut-off at 690nm yet leaves all the visible red, including the important 656nm H-alpha emission line, preventing IR wavelengths from blurring fine detail in digital images.

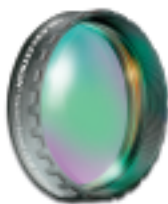
Model #94125 1.25" UV/IR Cut-off Filter



FILTERS

OXYGEN III NARROWBAND FILTERS

The OIII narrowband filter isolates just the two doubly-ionized oxygen lines (496 and 501nm lines) emitted by planetary and emission nebulae, while blocking the rest of the overall spectrum of light. The result is extreme contrast between the black sky background and the faint photons of OIII light needed for detailed views of the Veil, Ring, Dumbbell, Crescent & Orion nebulae.



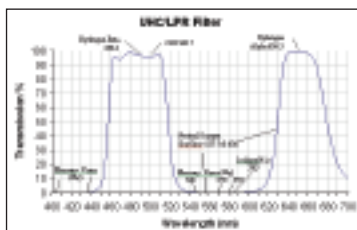
Each filter has an ultra hard, vacuum-deposited coating carefully designed to block all of the visual spectrum ranging from 400 to 700 nm. This eliminates the unnatural colored halos surrounding bright stars common with OIII filters of less sophisticated coating technology.

Model #93623 1.25" Oxygen III Narrowband Filter

Model #93624 2" Oxygen III Narrowband Filter

UHC/LPR FILTERS

Our Light Pollution Reduction (LPR) Filters are designed to selectively reduce the transmission of certain wavelengths of light, specifically those produced by artificial light. This includes mercury vapor, and both high and low pressure sodium vapor lights and the unwanted natural light caused by neutral oxygen emission in our atmosphere (i.e. sky glow).



The Ultra High Contrast (UHC) LPR filter has improved contrast over the typical broadband filters. Sky background is darker, and contrast of emission nebulae are noticeably improved. The advanced technology coatings enable the filter to achieve an outstanding transmission of over 97% across the entire bandpass, with total blockage of prominent light pollution lines. The perfect filter for viewing nebulae from light polluted skies, or for boosting the contrast of nebulae from dark sky sites.

The multi-layer dielectric coatings are plasma assisted and ion beam hardened using the latest technology for durability and resistance to scratching.

Model #94123 1.25" UHC/LPR Filter

Model #94124 2" UHC/LPR Filter

SKYLIGHT FILTER (for Schmidt-Cassegrains)

If you were to use only one filter, Celestron's Skylight Filter/Dust Seal would be your most versatile choice. This general purpose, Wratten #1A filter improves color saturation and balance, increases visual and photographic contrast, helps to decrease glare in lunar and planetary observing, and penetrates atmospheric haze. It's also an inexpensive way to protect your investment in quality optics. This filter threads onto the rear cell of your Celestron C5, C6, C8, C9.25, C11 or C14 telescope to serve as an effective dust seal. By leaving the Skylight Filter/Dust Seal on when removing or attaching other visual accessories, you prevent dust and other atmospheric contaminants from entering the rear of your telescope.



Model #93621 Skylight Filter for Schmidt-Cassegrain telescopes

1.25" POLARIZING FILTER SET

This set of two polarizer filters reduces reflected polarized light in the Earth's atmosphere. Helpful for splitting binary stars by reducing glare and diffraction around the brighter star of the binary pair. On the Moon and planets it is invaluable for reducing irradiation and glare.



The effectiveness of the filters depends on several factors, including: the aperture and focal length of the telescope, the magnification being used, and seeing conditions.

Model #93608 1.25" Polarizing Filter Set

SOLAR FILTERS

Enter the new millennium with the finest solar filters available. Baader Astro Solar™ Safety Film is clear and homogenous and attains the optical performance of high quality plane-parallel glass filters—it is diffraction limited! Double-sided metal coatings have uniform density and good color balance across the entire field ensuring razor sharp images from edge to edge.



The Sun appears in its "real" color—neutral white, not blue or orange, and the sky adjacent to the solar limb is jet black. You can see detail in sunspots, bright faculae near the limb and the mottled areas known as granules with these filters. The Sun offers constant changes and will keep your observing interesting and fun. Even small aperture telescopes can enjoy features of the Sun.

The Astro Solar™ film absorbs all ultraviolet rays while coating reflects infrared light rendering both absolutely harmless. For added assurance, Baader Astro Solar™ film has been declared safe for direct solar viewing by the German National Bureau of Standards for eye safety.

Each is mounted in a durable ABS or rubber cell that won't break.

Model #94104 Solar Filter for PowerSeeker 60

Model #94135 Solar Filter for PowerSeeker 80, NexStar 60SLT

Model #94226 Solar Filter for AstroMaster 70

Model #94227 Solar Filter for AstroMaster 76 & PowerSeeker 76

Model #94228 Solar Filter for AstroMaster 90

Model #94229 Solar Filter for AstroMaster 114

Model #94138 Solar Filter for Omni XLT102

Model #94230 Solar Filter for Omni XLT120

Model #94231 Solar Filter for Omni XLT150 & Advanced C6N

Model #94232 Solar Filter for Omni XLT127 & NexStar 5SE

Model #94233 Solar Filter for NexStar 80SLT

Model #94234 Solar Filter for NexStar 102SLT

Model #94134 Solar Filter for NexStar 114SLT & PowerSeeker 114

Model #94139 Solar Filter for NexStar 130SLT, AstroMaster 130 & PowerSeeker 127

Model #94129 Solar Filter for NexStar 4SE

Model #94236 Solar Filter for NexStar 6SE

Model #94136 Solar Filter for Advanced Series C6-R

Model #94128 Solar Filter for CPC800, NexStar 8SE & 8" SCT

Model #94237 Solar Filter for CPC925 & 9.25" SCT

Model #94238 Solar Filter for CPC1100 & 11" SCT

OPTICAL ACCESSORIES

STEREO BINOCULAR VIEWER

The Stereo Binocular Viewer allows you to adapt two eyepieces to your telescope and view with both eyes simultaneously. In addition to eliminating eye fatigue this bino viewer also provides a three dimensional effect while observing many celestial objects.

The Stereo Binocular Viewer will also improve contrast on deep sky objects as well as solar system objects.

The Stereo Binocular Viewer is designed to work with Schmidt-Cassegrain telescopes (SCT) and many refracting telescopes.

The Stereo Binocular Viewer requires you to use two eyepieces of equal focal lengths and optical design.

- Fully Multi-Coated BAK-4 prisms
- Foam lined aluminum storage case
- Eyepiece diopter scales for sharp focus

Model #93691 Stereo Binocular Viewer



93526



93527

2" XLT DIAGONALS

The 2" XLT diagonal is a high quality multi-coated mirror diagonal which allows you to take advantage of the wider field of view provided by 2" eyepieces. Featuring our premier StarBright XLT® coatings, this unit has an interferometer tested $1/10^{\text{th}}$ wave flat mirror.

This premium diagonal is designed to work with Schmidt-Cassegrain or refractor telescopes.

Includes a 1.25" adapter and sturdy aluminum carrying case.

Model #93526 2" XLT Diagonal for Refractor Telescopes

Model #93527 2" XLT Diagonal for Schmidt-Cassegrain Telescopes

2" MIRROR DIAGONAL

This high quality 90-degree multi-coated mirror diagonal allows you to take advantage of the wider field of view provided by 2" eyepieces.

A much higher quality than standard diagonals, it fits all rear cells of Schmidt-Cassegrains (comes standard with CGE 1400). Includes an adapter to accept 1.25" eyepieces and an adapter to use with refractor telescopes.

Model #93519 2" Mirror Diagonal



1.25" STAR DIAGONAL

Our Star Diagonal lets you view objects while at a 90° angle from the direction the telescope is pointing, thereby allowing comfortable viewing when the telescope is pointed at, or near, the zenith (i.e. directly overhead). The resulting image is right side up, but will be reversed from left to right.

Model #94115-A 1.25" Star Diagonal



ERECT IMAGE DIAGONAL - 45°

Threads onto the back of the NexStar 4SE & GT. This design allows you to look into the telescope at a 45° angle, at images that are oriented properly, meaning the image is upright and correct from left to right.

Model #94116 Erect Image Diagonal for NexStar 4SE & 4GT



1.25" ERECT IMAGE DIAGONAL - 90°

Celestron's Erect Image Diagonals are an Amici prism design. This design allows you to look into the telescope at a 90° angle, at images that are oriented properly, meaning the image is upright and correct from left to right.

Model #94108 1.25" Erect Image Diagonal



1.25" ERECT IMAGE DIAGONAL - 45°

Celestron's 1.25" Erect Image Diagonals are an Amici prism design. This design allows you to look into the telescope at a 45° angle, at images that are oriented properly, meaning the image is upright and correct from left to right.

Model #94112-A 1.25" Erect Image Diagonal



OPTICAL ACCESSORIES

STARPOINTER™ FINDERSCOPE

Finding objects couldn't be easier! A 1x, or unit power finderscope designed so you can point the telescope while scanning the sky with both eyes. A mirror lens projects the image of a LED illuminated pinpoint into the line of sight, providing you with a red dot of light to center on the object you want to view.

Something like having a laser pointer that reaches into the sky, it greatly simplifies finding objects. The brightness level is adjustable, and the StarPointer can be used during daytime observing as well. Attaches to any SCT telescope. Includes: StarPointer Finderscope, 2 mounting brackets and battery.

Model #51630 StarPointer Finderscope



9X50 FINDERSCOPE

A high quality, economical 9x50 finderscope with fully coated lenses and a 5.8° field of view.

Finderscopes are secondary scopes, used to help locate objects in the main telescope. The larger the finderscope, the more you'll see, to an upper limit of 50mm.

Units larger than 50mm have too narrow a field of view to be useful. Finderscopes mount onto the main telescope tube and are an invaluable tool in locating objects for viewing.

Model #51611 9x50 Finderscope



9X50 FINDERSCOPE WITH BRACKET

Same as the #51611 9X50 finderscope but includes bracket and mounting hardware for SCT telescopes.

Model #93783-8 9x50 Finderscope With Bracket



QUICK RELEASE FINDERSCOPE BRACKET

A unique bracket for 50mm finderscopes, it's designed for 8", 9.25" and 11" Schmidt-Cassegrain Telescopes. No tools are required, and once it's aligned, you can take it off and put it on without losing alignment.

Bracket includes necessary mounting hardware. The additional weight of this accessory may require that you use additional optional counterweights for your telescope.

Model #51149-A Quick Release Finderscope Bracket



OPTICAL ACCESSORIES

6X30 FINDERSCOPE

Finderscopes are secondary scopes, used to help locate objects in the main telescope. The larger the finderscope, the more you'll see, to an upper limit of 50mm.

Units larger than 50mm have too narrow a field of view to be useful.

Finderscopes mount onto the main telescope tube and are an invaluable tool in locating objects for viewing.

Model #51602-B 6x30 Finderscope



6X30 FINDERSCOPE WITH BRACKET

Erect image 6x30 finderscope with bracket and mounting hardware.

Model #93778 6x30 Finderscope With Bracket



POLAR AXIS FINDERSCOPE FOR CG-4 AND CG-5 MOUNTS

This useful accessory speeds accurate polar alignment by providing a means of visually aligning your German equatorial mount with Polaris and true North. As a result, you can spend more time observing and less time setting up. The finderscope has an easy to use cross hair reticle.

For use with Omni and Advanced Series mounts.

Model #94221 Polar Axis Finderscope



POLAR AXIS FINDERSCOPE KIT FOR CGE

The Polar Axis Finder is designed to minimize polar alignment time while maintaining maximum accuracy of your CGE equatorial mount.

This Polar Finder has a finely etched and illuminated reticle designed to assist you in visually aligning your CGE mount with Polaris and the North Celestial Pole.

It includes a finderscope with eyepiece focus, illuminator, battery pack and mounting bracket. Works for both northern and southern hemispheres. Use two AA batteries (user supplied).

Model #94222 Polar Axis Finderscope Kit For CGE Mount



POLARIS SETTING PLATE

This setting plate allows you to calculate your polar alignment offset (your offset from Polaris) to be perfectly aligned to the North Celestial Pole.

Model #60121 Polaris Setting Plate



NAVIGATIONAL ACCESSORIES

CN16 GPS ACCESSORY KIT (for NexStar SE, Advanced GT and CGE)

Improve the accuracy of your initial star alignments by plugging the GPS module into your telescope. The CN16 will link up and automatically download the exact time, date, longitude and latitude from one of many global positioning satellites.

This kit contains the CN16 GPS Accessory and mounting bracket (#93966 also includes Expansion Port Accessory to allow communication with the CN16 Accessory).



Model #93966 CN16 GPS Accessory Kit for Advanced GT Computerized Mounts

Model #93967 CN16 GPS Accessory Kit for CGE Computerized Mounts

Model #93968 CN16 GPS Accessory Kit for NexStar SE series telescopes

Visit our web site for more information on all
of our accessories and latest product releases.

www.celestron.com

NEXSTAR® RS-232 CABLE

Allows your computerized telescopes to be controlled using a laptop computer or PC. Once connected to your hand control port, the telescope can be controlled using popular astronomy software programs. This cable connects to your PC's serial port.

Also used to upgrade hand control software for flash upgradeable hand controls.

For use with a USB port, you must purchase a serial to USB converter (18775). Length: 62"

Model #93920 NexStar RS-232 Cable



USB TO RS-232 CONVERTER CABLE

This cable is used to convert a serial cable into a cable that is compatible with standard USB ports.

Recommended for use with our RS-232 cable (93920) and our Programming Cable (93922) which both feature serial connectors.

Model #18775 USB to RS-232 Converter Cable



NAVIGATIONAL ACCESSORIES

NEXREMOTE® TELESCOPE CONTROL SOFTWARE

Now your Celestron Advanced Series GT, NexStar "i" Series, NexStar SLT Series, NexStar SE Series, CPC GPS Series, and CGE Series telescope can be set up and operated remotely from a PC or laptop! NexRemote duplicates all of the functions and features of our NexStar software on the standard NexStar® Hand Control plus much more!

- NexRemote talks - Keep your eyes on the stars instead of the LCD by enabling speech support
- Control the objects you want to see and the order that you see them
- Create and save custom tours by launching NexTour
- Use Night Vision Mode to reduce the effect of the laptop screen on your eyes
- Wireless control of the telescope with Optional Gamepad Support
- Connect your personal GPS device to NexRemote with NexGPS
- Download NexRemote updates online to use the latest features

Kit Includes:

- NexRemote Software CD with license
- RS-232 Cable to connect telescope to PC or Laptop
- Serial-To-USB Adapter

When gamepad support is enabled, NexRemote uses the Logitech WingMan Cordless RumblePad as a means of remotely controlling the telescope operation. This is particularly useful when aligning the telescope with NexRemote and the PC is not within reach.

*NexRemote is included with NexStar SE Series, CPC and CGE Series telescopes

Model #93710 NexRemote Telescope Control Software Package (Includes Software, RS-232 Cable and Serial to USB Adapter)

Model #93702 NexRemote Telescope Control Software (Software Only)



AUXILIARY PORT ACCESSORY KIT

The Auxiliary Port Accessory was designed to expand your Advanced GT's ability to interface with multiple devices including personal computers and the Celestron CN16 GPS.

The Auxiliary Port Accessory has a PC port which allows the user to update motor control firmware downloaded from the internet. It has two auxiliary ports, one for the NexStar Hand Control and one for the CN-16 GPS Accessory. The Auxiliary Port Accessory can also be used on the NexStar "i" series telescopes for upgrading motor control firmware. This kit includes the Auxiliary Port Accessory and Programming Cable (#93922).

Note: The Auxiliary Port Accessory comes standard in the CN-16 GPS Accessory Kit for the Advanced GT Series (#93966). The Programming Cable is NOT included in the CN-16 GPS Accessory Kit for the Advanced GT Series.

Model #93965 Auxiliary Port Accessory Kit



T-RINGS FOR 35MM CAMERAS

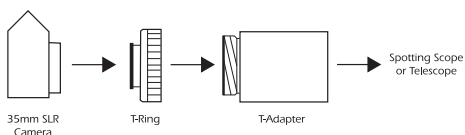
A T-Ring couples your 35mm camera body to a T-Adapter, Radial Guider or Tele-Extender. This accessory is required if you want to do any type of photography through a telescope or spotting scope.

Each camera manufacturer has a different

mount, which requires a specific T-Ring, so Celestron offers a full line of T-Rings.

To use a T-Ring, remove the diagonal and/or eyepiece from your telescope (some models require use of an eyepiece — see your instruction manual). Then you need only remove your normal camera lens, attach the proper T-Ring for your camera, and mount the combination to the rear cell of your telescope or spotting scope with a Celestron T-Adapter.

If you own an older SLR camera with a thread mount, it will probably accept the Pentax Universal Thread Mount T-Ring. If you have a new camera with a bayonet mount not listed above (Ricoh, Cosina, etc.), it most likely accepts the Pentax K-Universal Bayonet Mount T-Ring. Check your camera's instruction manual for more detailed information.



CANON T-RING ADAPTERS

These T-Rings are designed to work with Canon or Canon EOS brand 35mm cameras.

Model #93413 Canon T-Ring Adapter

Model #93419 Canon EOS T-Ring Adapter



MINOLTA T-RING ADAPTERS

These T-Rings are designed to work with Minolta or Minolta Maxxum brand 35mm cameras.

Model #93400 Minolta T-Ring Adapter

Model #93418 Minolta Maxxum T-Ring Adapter



PENTAX T-RING ADAPTERS

These T-Rings are designed to work with Pentax or Pentax 'K' brand 35mm cameras.

Model #93401 Pentax T-Ring Adapter

Model #93403 Pentax 'K' T-Ring Adapter



NIKON T-RING ADAPTER

This T-Ring is designed to work with Nikon brand 35mm cameras.

Model #93402 Nikon T-Ring Adapter



OLYMPUS T-RING ADAPTER

This T-Ring is designed to work with Olympus brand 35mm cameras.

Model #93414 Olympus T-Ring Adapter



1.25" UNIVERSAL T-ADAPTERS

Universal 1.25" T-Adapter fits (drop in style) any type of telescope that uses a 1.25" focuser or visual back.

A T-Adapter allows you to attach your 35mm SLR camera to the prime focus of your telescope or spotting scope. This arrangement is used for terrestrial photography and short exposure lunar and planetary photography. It can also be used for long exposure deep-sky photography when using a separate guidescope.

Both a T-Adapter and T-Ring are required to mount a 35mm SLR camera to your instrument.

Model #93625 1.25" Universal T-Adapter

Model #93640 1.25" Universal T-Adapter – Similar to #93625 but features an integral 2x Barlow lens which can be used visually or photographically



T-ADAPTERS FOR TELESCOPES & SPOTTING SCOPES

A T-Adapter allows you to attach your 35mm SLR camera to the prime focus of your telescope or spotting scope. This arrangement is used for terrestrial photography and short exposure lunar and planetary photography. It can also be used for long exposure deep-sky photography when using a separate guidescope.

Both a T-Adapter and T-Ring are required to mount a 35mm SLR camera to your instrument.

Model #93633-A T-Adapter – For C5, C6, C8, C9.25, C11 & C14 Telescopes

Model #93635-A T-Adapter – For NexStar 4SE, C90 Mak & C130 Mak Scopes

Model #93642 T-Adapter – For Onyx 80EDF Telescope

Model #93641 T-Adapter – For Ultima 60SV Spotting Scope

T-C 16MM ADAPTER

This valuable adapter converts video cameras, (or 16mm film cameras) with removable lenses from the standard "C-mount" thread, to the larger T-thread used in still cameras. Thus, any of these cameras can be converted for use with a telescope.

Please note that some film and video cameras use standard still camera lenses, and therefore use a normal T-Adapter and T-Ring. Check your camera's instruction manual for more detailed information

Model #93636 T-C 16mm Adapter



IMAGING ACCESSORIES

NEXIMAGE® – SOLAR SYSTEM IMAGER

NexImage® is a complete CCD solar system imager capable of producing high quality planetary images with greater light sensitivity and color fidelity than comparable CMOS imagers. Combined with the NexImage software package, NexImage can bring out tremendous detail and reveal a final image that will rival those taken with astronomical CCD cameras costing thousands of dollars more.

Compatibility – 1.25" adapter barrel makes NexImage compatible with most any telescope

Versatility – 1.25" adapter is threaded for standard eyepiece filters and can be removed and replaced with optional focal reducer lens

- View and capture live video on your computer screen
- Software automatically filters out video frames most affected by poor atmospheric "seeing" leaving the sharpest, clearest frames to be stacked and aligned into one high quality image
- Easy to follow quick start instructions and tutorial with sample video file that will have you producing quality images your first night out
- Camera control software allows you to manually change the gain, contrast, exposure time, frame rate and color saturation using your PC

Recommended Minimum System Requirements

- PC running Windows 98SE - XP (Not compatible with Vista)
- 333Mhz Pentium II or better
- 128 MB of RAM and 40 MB of hard drive space
- Screen resolution of 1024x768 or higher

Model #93712 NexImage – Solar System Imager

Model #94178 NexImage Reducer Lens – Increase your field of view by over two times for wide field lunar and filtered solar imaging.



1.25" T-ADAPTER FOR CCD CAMERAS

This T-thread to 1.25" adapter allows you to attach your photographic accessories with a T-thread to a CCD camera using a 1.25" nose piece.

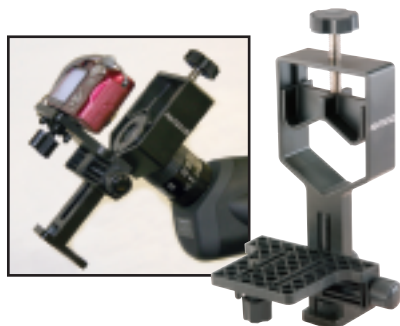
Model #94177 1.25" T-Adapter For CCD Cameras



UNIVERSAL DIGITAL CAMERA ADAPTER

Universal mounting platform for digital point and shoot cameras that allows you to do afocal photography (photography through the eyepiece of a telescope or a spotting scope) using a 1 1/4" or 2" eyepiece.

Model #93626 Universal Digital Camera Adapter



PIGGYBACK CAMERA MOUNT

The Celestron Piggyback Mount is a great accessory for all observers interested in deep-sky astrophotography. This mount allows you to attach your camera, with its lens, to the top of the telescope, making it possible to shoot with a normal or wide angle lens while guiding through the telescope.

The Piggyback adapter mounts to the rear cell of the C8, C9.25, C11 and C14 telescopes.

Model #93598 Piggyback Camera Mount



DELUXE TELE-EXTENDER

The Deluxe Tele-Extender allows you to attach a camera to your Schmidt-Cassegrain telescope, with an eyepiece installed. By using the Deluxe Tele-Extender in combination with an eyepiece, you can increase your instrument's effective focal length to well over 10,000mm! This corresponds with a matching increase in image size. This technique is known as eyepiece projection photography. The following formula can be used to determine approximate effective focal length:

$$\text{EFL} = \text{Telescope focal length} / \text{Eyepiece focal length} \times \text{DF (the distance from the center of the eyepiece to the film)}$$

The Deluxe Tele-Extender is used for high-power lunar, solar and planetary photography as well as for extreme terrestrial photography. It fits over the telescope's eyepiece and connects to the visual back of the telescope. Optional counterweights will be necessary to properly balance the telescope when using the Tele-Extender.

To use the Deluxe Tele-Extender, remove the diagonal from your telescope and insert an eyepiece directly into the visual back. Place the Tele-Extender over both the eyepiece and the visual back, then attach your 35mm SLR camera to the back of the Tele-Extender, using a T-Ring. The Tele-Extender's built-in safety device will help prevent your eyepiece from becoming accidentally dislodged.

There are a few things to keep in mind when using this accessory. First, the image you'll see through your camera's viewfinder will be upside-down. Secondly, due to the extremely high magnifying effect afforded by this accessory, extra care to prevent camera and telescope vibration, accurate polar alignment and use under good seeing conditions will all assist you in capturing high quality images.

Model #93643 Deluxe Tele-Extender



REDUCER/CORRECTOR F/6.3

This combination focal reducer and field corrector lens accessory works with all Celestron 5", 6", 8", 9.25", 11" and 14" Schmidt-Cassegrain telescopes. This four-element, fully multi-coated f/6.3 Reducer/Corrector makes it possible to have a dual focal ratio instrument, without sacrificing image quality. The Reducer/Corrector is f/6.3 for C5, C6, C8, C9.25 and C11 telescopes and f/7 for the C14 telescope.

It offers wide fields of view with any Schmidt-Cassegrain telescope. Reduces astrophotography exposure time by a factor of 3. Results are amazing, both visually and photographically.

Model #94175 Reducer/Corrector f/6.3



IMAGING ACCESSORIES

RADIAL GUIDER

Specifically for use in prime focus, deep-sky imaging or astrophotography with Schmidt-Cassegrain telescopes. This accessory allows you to simultaneously photograph and guide through the optical tube assembly of your telescope. It also eliminates the problem of differential flexure, because you are guiding and photographing through the telescope.

Compatible with Celestron's C5, C6, C8, C9.25, C11 and C14 telescopes the radial guider features a unique prism angle adjustment screw. It must be used with a guiding eyepiece, camera T-Ring and drive corrector (dual axis preferred). Primarily for use with catadioptric telescopes.



This guider is a tremendous improvement over conventional off-axis guiders. Not only is the angle of the prism tunable, but it also maintains a fixed rigid camera orientation while still offering users the freedom to move the guiding eyepiece radially about 135°.

Model #94176 Radial Guider

EXTRA COUNTERWEIGHTS

Using accessories such as cameras, Lens Shades, Tele-Extenders and the 2" Diagonal will affect the balance of your Celestron Schmidt-Cassegrain telescope. Counterweights restore proper balance, increasing ease in handling and improved tracking accuracy.

You don't need perfect balance to operate your telescope. In fact, it's not always possible to achieve perfect balance with fixed-position weights. All you need to do is reduce, or eliminate, swing when R.A. and DEC locks are released. Celestron counterweights help you achieve the desired balance and stability with ease.

Model #94186 11 lb. counterweight for use with CG-5 mounts

Model #91525-2 25 lb. counterweight for use with CGE mounts



COUNTERWEIGHT BAR ASSEMBLY

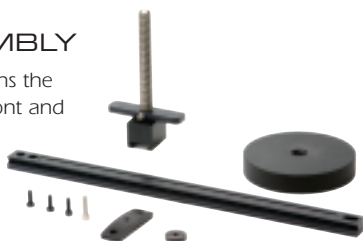
The Counterweight Bar Assembly is a metal rail that runs the length of the telescope tube. It attaches to both the front and rear cells of Schmidt-Cassegrain telescopes.

Once the Bar Assembly is in place, counterweights can be attached to it and moved along its length, as well as perpendicular to it, for better dynamic balancing. Each Counterweight Bar Assembly comes with mounting hardware and one 2.5 lb. weight.

Model #94191 Counterweight Bar Assembly for 8" Schmidt-Cassegrain

Model #94192 Counterweight Bar Assembly for 11" Schmidt-Cassegrain

Model #94193 Extra 2.5 lb. counterweight for Counterweight Bar Assemblies (#94191 & #94192)



TABLETOP TRIPOD

This tiny tabletop tripod is perfect for those who like to take their optics on the go. Compatible with binoculars (except for SkyMaster series) & small spotting scopes.

- 1/4"-20 mounting screw to fit most any spotting scope or binocular
- Slow motion controls in both altitude and azimuth
- Collapsible tripod legs
- Extendable central column

Model #93604 Tabletop Tripod



PHOTOGRAPHIC & VIDEO TRIPOD

Standard photo/video tripod is extremely light and portable while performing well with most mid-size optical products (binoculars, spotting scopes). Features quick release bracket and pan handle control. Recommended for all Celestron binoculars (except 80mm and larger apertures) and Ultima 65 and 80mm spotting scopes. Includes 1/4"-20 mounting screw.

- Carrying handle and carrying case
- Max. extended height - 63 inches
- Folded height - 27 inches
- 3-way panhead with quick release plate
- 90° vertical platform
- Central column with geared elevator & adjustable tension
- Horizontal and Vertical Bubble Level

Model #93606 Photographic & Video Tripod



HEAVY DUTY ALT-AZIMUTH TRIPOD

Heavy-duty alt-azimuth tripod features sturdy aluminum tripod legs with accessory tray and slow motion flex cables for fine adjustments. Recommended for 80mm and larger aperture binoculars, Ultima 80 and 100 spotting scopes, C90 and C130 Mak spotting scopes and the C5 spotting scope.

- Extendable aluminum tripod legs with heavy duty mount head
- Sliding 1/4"-20 mounting screw
- Flexible slow motion cables for both altitude and azimuth
- Max extended height - 45 inches
- Folded height - 32 inches

Model #93607 Heavy Duty Alt-Azimuth Tripod



TRIPODS

NEXSTAR® 4SE & 5SE TRIPOD WITH BUILT-IN WEDGE

A stable tripod is a must for serious astronomical observing and photography. This steel field tripod folds down to a compact 8"x28". It is equipped with a built-on 20°-90° wedge tilt plate for quick equatorial use and astrophotography. It has a metal center brace and accessory tray for added stability. Weight 10 lbs. Height extendable from 28" to 48".

Model #93497 Nexstar 4SE & 5SE Tripod With Built-In Wedge



HEAVY DUTY TRIPOD

The Celestron HD tripod is the same tripod included with our top of the line CPC 1100 telescope. It has fully adjustable legs with metal clamps for solid height adjustment. Comes with a heavy duty, metal accessory tray that maximizes the stability of the tripod. The tripod head has mounting holes for both alt-az mounting (CPC, NexStar GPS) and for use with a wedge.

Model #93493 Heavy Duty Tripod



VIBRATION SUPPRESSION PADS (VSP)

Telescope and spotting scope vibration is caused by windy conditions, an unsteady mount or tripod or even an accidental bump to the instrument, and results in reduced image quality.

Celestron's set of three Vibration Suppression Pads will reduce vibration time by almost 100% and decrease vibration amplitude. The pads fit between the bottom of the tripod legs and the ground, a simple and functional solution to the problem of image disturbance. They work on any surface: grass, dirt, concrete, asphalt, wood, etc.

Model #93503 Vibration Suppression Pads



HEAVY DUTY WEDGE

For All CPC Series and NexStar GPS telescopes, this heavy-duty wedge is available for the more serious observer.

It increases the rigidity of the telescope while giving a 0° - 90° range of operation. An upgrade kit with a deluxe latitude adjuster and azimuth controls for easy polar alignment is available (#93662).

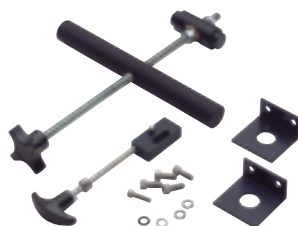
Model #93655 Heavy Duty Wedge for CPC and NexStar GPS



WEDGE UPGRADE KIT

This kit attaches to your Heavy Duty Wedge (#93655) and gives you fine motion control in altitude and azimuth for easy and accurate polar alignment.

Model #93662 Wedge Upgrade Kit For Heavy Duty Wedge #93655



WEDGE FOR NEXSTAR® 6SE & 8SE

Upgrade your NexStar 6SE and 8SE with this wedge for long exposure astrophotography. With built-in azimuth and altitude adjustment controls for easy polar alignment, this wedge has a 25° - 90° latitude range.

Used on either NexStar 6SE or NexStar 8SE, it weighs 8 lbs.

Model #93658 Wedge for NexStar 6SE & 8SE



MOUNTS

ADVANCED SERIES CG-5 MOUNT

We are proud to offer a computerized GoTo version of Celestron's sturdy CG-5 mount.

- Heavy Duty German equatorial mount (same as supplied with Advanced Series telescopes)
- Ultra sturdy 2" diameter steel tripod with accessory tray
- Proven NexStar computer control technology
- 40,000 object database with 400 user-definable objects and expanded information on over 200 objects
- DC Servo motors with encoders on both axes
- Autoguider port for long exposure astrophotography
- Flash upgradeable hand control software and motor control units
- Compatible with optional NexRemote® telescope control software, for advanced control of your telescope via computer
- Hand control features a RS-232 communication port to control the telescope via a personal computer
- GPS-compatible with optional CN16 GPS Accessory (93966)



Model #91518 CG-5 Computerized Mount

CGE COMPUTERIZED MOUNT

Recognized for superior stability, our CGE Tripod supports the CGE mount. This fully extendable tripod is made from the finest cold rolled carbon steel and can be raised to a height of 50". 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.

Mount Features:

- Observatory-class computerized German equatorial mount
- 40,000 object database with 400 user-definable objects and expanded information on over 200 objects
- Proven NexStar® computer control technology
- GoTo system is precision accurate to 1.5 arcminutes
- Flash upgradeable hand control software and motor control units
- Drive Motors - offer smooth, quiet operation and long life
- 12V DC Servo Motors with integrated optical encoders with 0.11 arcsecond resolution
- No-slip clutch system for pointing precision
- Autoguide port, PC port and auxiliary ports located on the electronic pier for long exposure astrophotography
- Hand control features a RS-232 communication port to control the telescope via a personal computer
- Includes NexRemote® telescope control software, for advanced control of your telescope via computer
- GPS-compatible with optional CN16 GPS Accessory (93967)



Model #91524 CGE Computerized German Equatorial Mount

FOCUS MOTOR

Focus Motor w/ separate hand control for all 6", 8", 9.25" & 11" SCT Optical Tubes

Model #94142 Focus Motor for all 6", 8", 9.25" & 11" SCT Optical Tubes



DUAL AXIS MOTOR DRIVE FOR OMNI SERIES CG-4 MOUNT

This dual axis motor drive, with drive corrector capabilities, is designed for Celestron's CG-4 mounts for tracking in RA and allows movement in DEC. It precisely controls the telescope's tracking speed during long, timed exposures of celestial objects, producing the best possible image sharpness. Precision drive correctors are a must for those with a serious interest in astrophotography or CCD imaging. Four speeds are available – 1x (sidereal), 2x for guiding, 4x, and 8x for centering.



This precision, state-of-the-art DC motor drive operates from 4 D-cell batteries (user supplied). The hand controller module is very compact and fits easily in the palm of your hand. Motors for both axes are included, along with brackets, clutch and hardware.

Model #93522 Motor Drive for CG-4 Mount

Visit our web site for more information on all of our accessories and the latest product releases.

www.celestron.com

POWER SUPPLIES

POWERTANK™ 17

Take your telescope anywhere with this portable rechargeable power supply. The extra large PowerTank 17 is also useful as an emergency roadside accessory.

It includes an emergency light, siren, am/fm radio and booster terminals to start weak car batteries.

- 17 amp hour
- 2 x 12V DC output car jack socket
- DC 3V, 6V and 9V output jacks
- Built-in AM/FM Radio and Siren
- Removable red filtered flashlight with magnetic back
- Built-in multi-angle 800,000cp emergency Halogen spotlight
- Handy jump-start system – 250 cranking AMPS (5 sec.)
- Built-in circuit breaker for safety
- Cigarette lighter adapter included
- Switchable 110v-220v AC adapter

Model #18777 PowerTank 17



POWERTANK™

Not only useful for setting up and powering your scope, this model can also be useful as an emergency roadside accessory as it includes an emergency light, and booster terminals to start weak car batteries.

- 7 amp hour
- Two 12V output cigarette lighter ports
- 3V, 6V and 9V outputs for accessories
- Built-in flashlight with red filter cap
- 800,000 candle power Halogen emergency spotlight
- Booster terminal on rear side
- Built-in circuit breaker for safety
- Cigarette lighter adapter included
- 110 V/220 V switchable universal AC adapter included

Model #18774 PowerTank



CAR BATTERY ADAPTER

For use with CGE, CPC, Advanced GT, NexStar Series, (all supplied standard), this adapter allows you to power your telescope directly via the car cigarette lighter, or Celestron's PowerTank receptacle.

Model #18769 Car Battery Adapter



AC ADAPTER

2.5 amp AC Adapter for use with all Celestron computerized telescopes.

Model #18776 AC Adapter



HARD CASE FOR NEXSTAR® 4SE & 5SE

The case is made of sturdy and rugged ABS plastic. Each case is completely filled with "pluck" type foam for individualized custom fitting to support and protect your Celestron telescope.

- Inside dimensions 23" x 14" x 10"

Model #302080 Hard Case for NexStar 4SE & 5SE



WATERPROOF HARD CASE FOR NEXSTAR® 6SE, 8SE AND CGE MOUNT/PIER

If you own a CGE* or NexStar® 6/8SE telescope, it's imperative that you protect your investment. Unbreakable, water-tight, dustproof, chemical resistant and corrosion proof are some of the features of this premium case that offers total protection for your equipment. It is made of ultra high impact structural copolymer that makes it extremely strong and durable. Its exclusive 1/4" (6.4 mm) Neoprene o-ring and ABS latches seal perfectly and includes an automatic purge valve for quick equalization after changes in atmospheric pressure. The case is lined with die cut high-density foam for custom fitting. It features large handles and is equipped with wheels, for easy transportation. Made in the USA.

*For storing CGE mount and pier, must be used with foam that comes in original CGE mount packaging.

- Inside Dimensions 29" x 17.75" x 9.25"
- Weight 27.5 lb (12.47 kg)

Model #302070 Waterproof Hard Case for NexStar 6SE, 8SE and CGE Mount/Pier



GENERAL ACCESSORIES

BINOCULAR TRIPOD ADAPTER

This useful adapter attaches to the center hinge of most high quality binoculars, allowing you to mount them to any tripod equipped with a standard $\frac{1}{4}$ " x 20 mounting bolt. A must for vibration-free viewing, this adapter conveniently sets your hands free for other tasks while observing.

Model #93512-A Binocular Tripod Adapter



ROOF PRISM BINOCULAR TRIPOD ADAPTER

This handy adapter attaches to the center-hinge of most roof prism binoculars, allowing you to mount them to any tripod with a standard $\frac{1}{4}$ " x 20 mounting bolt. Aside from vibration-free viewing, you get the added convenience of having your hands free for other tasks.

Model #93520 Roof Prism Binocular Tripod Adapter



CAR WINDOW MOUNT

Why not enjoy vibration free viewing from the comfort and shelter of your car or truck? In fact, wildlife photography, nature observing and other forms of surveillance are often best accomplished while you're inside a vehicle.

Our car window mount (heavy duty construction) attaches firmly to the partly rolled-down window of your car, providing stable support for binoculars, spotting scopes, and cameras with telephoto lenses. The vise-like base firmly attaches to your car window with two large locking screws. Rubber pads prevent scratching of window glass.

- Tension adjustments in both altitude and azimuth for fluid motion.
- Quick release plate with standard $\frac{1}{4}$ " x 20 mounting screw
- Rubber padded mounting clamp for secure grip

Model #93602 Car Window Mount



COLLIMATION TOOL FOR NEWTONIANS

The optical performance of most Newtonian telescopes can be optimized by collimating, or realigning, the telescope's optics, as needed. This procedure is easily accomplished with Celestron's Collimation Tool, a handy accessory that comes with detailed instructions.

Model #94183 Collimation Tool For Newtonians



GENERAL ACCESSORIES

1.25" VISUAL BACK

This accessory is used to adapt the threads on all Schmidt-Cassegrain models for use with 1.25" accessory items. This includes diagonals, straight through viewing with eyepieces, etc.

This item comes standard with all Celestron 5", 6", 8", 9.25" and 11" Schmidt-Cassegrains.

Model #93653-A 1.25" Visual Back



2" VISUAL BACK

This accessory threads on to the rear cell of 11" and 14" Schmidt-Cassegrains for use with 2" accessory items.

This item allows for straight through viewing with 2" eyepieces and the use of some 2" diagonals.

Model #93792 2" Visual Back



RETICLE ILLUMINATOR

An adjustable brightness red LED which can be used in Celestron guiding eyepieces and most other manufacturer's Polar finderscopes.

Model #60011 Reticle Illuminator



PROGRAMMING CABLE

In order to utilize the online firmware updates for your Celestron computerized telescope, you need this programming cable. It connects to the PC port on the telescope's drive base.

For use with CPC and CGE Series models. Is compatible with Advanced GT and NexStar SE telescopes when used with Auxiliary Port Accessory Kit (#93965).

This cable connects to your PC's serial port. For use with a USB port, you must purchase a serial to USB converter (#18775). Length: 84"

Model #93922 Programming Cable



GENERAL ACCESSORIES

LENSPEN™ – OPTICS CLEANING TOOL

A superb tool in optical lens cleaning technology. Perfect for cleaning binocular lenses, small aperture spotting scopes and telescopes, eyepieces and other optical items.

The LensPen™ comes with a handy retractable dust removal brush and a special non-liquid cleaning element, designed to never dry out. Safe and very easy to use.

Model #93575 LensPen™ – Optics Cleaning Tool



NIGHT VISION FLASHLIGHT

Celestron's premium model for astronomy, using two red LEDs to preserve night vision better than red filters or other devices. Brightness is adjustable. Operates on a single 9 volt battery (included).

Model #93588 Night Vision Flashlight



EXOTHERM HAND WARMER

Perfect for chilly evenings outdoors camping, stargazing, or at sporting events, the Exotherm Hand Warmer is convenient, reusable and made from nontoxic materials. Heat lasts up to 1 hour.

Simply boil the Exotherm in water for 10 minutes to recharge.

Model #93504 Exotherm Hand Warmer



LENS SHADES

A Lens Shade/Dew Cap is a tube designed to wrap around the front end of your SCT telescope and reduce the amount of dew that builds up on the corrector plate. It also serves as a Len Shade by preventing stray light from falling on the corrector plate, which greatly improves contrast.

Celestron offers a complete line of rugged, but soft Foamex plastic lens shades that can be stored flat after usage. They are made from a thicker material that won't crack under temperature extremes. The quality level is a step above all others as all material is sewn (not glued) for a long life.

Model #94011 C5 Lens Shade – Compatible with all 5" optical tubes

Model #94012 C8 Lens Shade – Except NexStar® GPS

Model #94013 C9.25 Lens Shade – Compatible with all 9.25" optical tubes

Model #94014 C11 Lens Shade – Compatible with all 11" optical tubes

Model #94015 C14 Lens Shade – Compatible with all 14" optical tubes



"THE SKY FOR CELESTRON" CD-ROM

Celestron and Software Bisque have teamed up to present a comprehensive CD-ROM called The Sky™ Level 1 – for Celestron. A computerized sky map that features a 10,000 object database, 75 color images, horizontal projection, custom sky chart printing, and zoom capability. A fun, useful and educational product. PC format (Windows 95 and newer versions).



Model #93700 "The Sky For Celestron" CD-ROM

PETERSON FIRST GUIDES – ASTRONOMY

A simplified field guide to the stars, planets and the universe. A great road map for those starting out in astronomy.

Includes:

- Full color maps showing the positions of the stars throughout the year
- Constellation paintings
- Photographs and descriptions of stars, planets, sun, moon, comets, meteors, black holes, and galaxies – with information on how, when and where to find them

Model #93728 Peterson First Guides – Astronomy



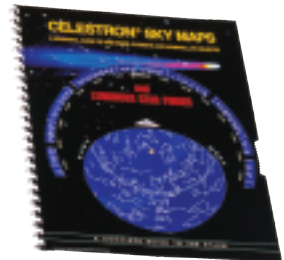
CELESTRON SKY MAP

Celestron Sky Maps are the ideal teaching guide for learning the night sky. You wouldn't set off on a road trip without a road map, and you don't need to try to navigate the night sky without a map either. Even if you already know your way around the major constellations, these maps can help you locate all kinds of fascinating objects.

The front cover has a specially designed luminous planisphere that rotates to simulate the seasonal progression of celestial objects through the sky. When the planisphere is pre-exposed to light, star positions glow brightly against a dark background, mimicking actual constellations.

More than a thousand stars and deep-sky objects are listed and charted. The illustrated reference section provides basic information and the visual characteristics of various types of stars, nebulae and galaxies. The maps measure 13.25" x 11.25" and are printed on a heavyweight, moisture resistant card stock. The pages have a special comb binding so they can lay flat or be folded over.

Model #93722 Celestron Sky Map



Appendix A – EYEPIECE FILTER INFO

In the following descriptions you will learn what you can expect from Celestron's eyepiece filters in different viewing situations.



YELLOW

#12 Deep Yellow 74% T • #15 Deep Yellow 67% T » Moon – Enhance lunar features.

Jupiter – Penetrate and darken atmospheric currents containing low-hue blue tones. Enhance orange and red features of the belts and zones. Useful for studies of the polar regions. **Mars** – Reduce light from the blue and green areas which darken the maria, oases and canal markings, while lightening the orange-hued desert regions. Also sharpen the boundaries of yellow dust clouds. **Neptune** – Improve detail in larger telescopes (11" and larger apertures). **Saturn** – Penetrate and darken atmospheric currents containing low-hue blue tones. Enhance orange and red features of the belts and zones. **Uranus** – Improve detail in larger telescopes (11" and larger apertures). **Venus** – Reveal low-contrast surface features. **Comets** – Enhance definition in comet tails.

#8 Yellow 83% T » Same characteristics as the #12 and #15 Deep Yellow filters, with the exception of the following:

Mars – Improves the Martian maria by reducing scattered light from blue areas, while allowing passage of more green light for studying yellow dust clouds. **Comets** – Brings out highlights in yellowish dust tails and enhances appearance of comet heads.

ORANGE

#21 Orange 46% T » Moon – Greatly enhances lunar features. **Jupiter** – Improves appearance and detail revealed in structure of Jovian belts. Enhances viewing of festoons and polar regions. **Mars** – Reduces light from the blue and green areas which darken the maria, oases and canal markings, while lightening the orange-hued desert regions. Also sharpens the boundaries of yellow dust clouds. **Mercury** – Reduces the brightness of blue sky during daylight observing, to reveal surface features. **Saturn** – Improves structure of the Saturnian bands and highlights blue polar regions. **Venus** – Use during daylight observing to reduce brightness of blue sky. **Comets** – Enhances definition of comet dust tails and heads in larger telescopes (11" and greater aperture). **Solar** – When using some Mylar Solar Filters, adding this orange filter will give a truer color rendition.

RED

#25 Red 14% T » Moon – Improves lunar features. **Jupiter** – Useful for studying bluer clouds. **Mars** – Ideal for observation of the polar ice caps and features on the Martian surface. Sharpens the boundaries of yellow dust clouds. **Mercury** – Improves observation at twilight, when the planet is near the horizon. During daylight, it reduces the brightness of the blue sky to enhance surface features. **Saturn** – Useful for studying bluer clouds. **Venus** – Use during daylight observing to reduce brightness of blue sky. Occasionally deformations of the terminator are visible.

#23A Light Red 25% T » Same characteristics as the #25 filter, with the exception of the following: **Mars** – Reduces light from blue and green areas which darkens the maria, oases and canal markings, while lightening the orange-hued desert regions. Sharpens the boundaries of yellow dust clouds. **Comets** – Improves definition of comet dust tails.

BLUE

#80A Light Blue 30% T • #82A Pale Blue 73% T • #38A Blue 17% T » Moon – Enhance lunar detail.

Jupiter – Enhance the boundaries between the reddish belts and adjacent bright zones. Useful for viewing the Great Red Spot. **Mars** – Very useful during the violet clearing. Helpful in studying surface features and polar caps. **Mercury** – Improve observation of dusky surface markings at twilight, when the planet is near the horizon. **Saturn** – Enhance low-contrast features between the belts and zones. **Venus** – Useful for increased contrast of dark shadings in upper Venusian clouds. **Comets** – Bring out the best definition in comet gas tails.

GREEN

#56 Light Green 53% T » Moon – Enhances lunar features. **Jupiter** – Increases visibility of the Great Red Spot. Useful for observing the low-contrast hues of blue and red that exist in the Jovian atmosphere. **Mars** – Excellent for increased contrast of Martian polar caps, low clouds and yellowish dust storms. **Venus** – Useful for Venusian cloud pattern studies. Reduces brightness of blue sky during daylight observing.

#58 Green 24% T » Same characteristics as the #56 Green filter, with the exception of the following: **Saturn** – Enhances white features in the Saturnian atmosphere. **Comets** – Useful for observing brighter comets.

VIOLET

#47 Violet 3% T » Mars – Useful for detecting high clouds and haze over the Martian polar caps. Very useful during the violet clearing. **Mercury** – Helpful in detecting faint features. **Saturn** – Good for ring structure studies. **Venus** – Increases contrast of dark shading in upper Venusian clouds. **Comets** – Useful for observing brighter comets.

96ND (NEUTRAL DENSITY)

#96ND 50% T – Density 0.3 • #96ND 25% T – Density 0.6 • #96ND 13% T – Density 0.9 » Moon – Excellent for reducing irradiation, glare and subject brightness. Colors are unaltered, as light is transmitted uniformly over the entire spectrum. Each model performs somewhat differently, depending on the brightness of the moon. **Planets** – Stacking in combination with color filters lowers transmission, but retains true color balance for specific applications. Reduces glare on brighter planets and minimizes irradiation. **Binary (Double) Stars** – Helpful in splitting binary stars, because it reduces glare and diffraction effects around the brighter star of the binary pair.

POLARIZING » Reduces reflected polarized light in the earth's atmosphere.

MOON & PLANETS » Invaluable in reducing irradiation and glare. **Binary Stars** – Helpful in splitting binary stars, because it reduces glare and diffraction effects around the brighter star of the binary pair.

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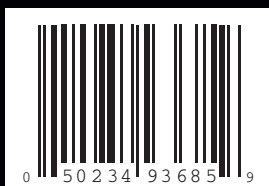
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