

All for Sale by:

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Orion Deluxe Mini 50 mm Guide scope with helical focuser

- Compact Deluxe Mini Guide Scope with a built-in helical focuser for precise focusing of guide stars
- Designed for use with the Orion StarShoot AutoGuider (sold separately), and astrophotography telescopes up to 1500mm focal length
- Non-rotating camera collar will not cause the attached autoguider to rotate during focus adjustments, ensuring the field of potential guide stars will not move
- Adjustable-aim dovetail guide scope bracket installs on virtually any astrophotography telescope quickly and easily
- Very small and compact autoguiding system adds hardly any weight to an astrophotography setup and can conveniently be stashed in an accessory case between uses



Our conveniently compact Deluxe Mini 50mm Guide Scope features a helical fine-focus mechanism to allow for faster, more precise focusing of potential guide stars.

This Deluxe version of our popular Mini 50mm Guide Scope is designed for use with the Orion StarShoot AutoGuider (sold separately) or similar small-chip CCD autoguider devices.

The machined and anodized helical focuser has a 12.5mm travel range, and a tight thread tolerance which ensures zero backlash and eliminates flexure-inducing "play". The helical focuser ring is ribbed for easy grip during adjustments, and a convenient thumbscrew lock keeps the focuser in-place once ideal focus is achieved.

The Orion Deluxe Mini 50mm Guide Scope with Helical Focuser brings precisely focused autoguiding into the realm of affordability for any astrophotographer, and brings the guide scope to a position that was previously occupied by a telescope finder scope. Thanks to the high level of guiding accuracy offered by modern autoguider devices such as the Orion StarShoot AutoGuider, astrophotographers of today can use guide scopes with much shorter focal lengths and smaller apertures compared to the large, bulky models used in the past. Using a more optically "fast" guide scope such as the Deluxe Mini 50mm Guide Scope with Helical Focuser can save astrophotographers valuable time, space, and money, but will still provide the unrivaled accuracy that only autoguiding can bring to long-exposure astrophotographs.

\$40.00

Celestron sky synch gps

65.00

Celestron - SkySync Telescope GPS Accessory – Automatically Updates your Telescope with 16-channel GPS Data, Time, and Date - Save Time & Improve the Accuracy of your Telescope Alignment,



- **ADD GPS FOR THE MOST ACCURATE ALIGNMENT:** Upgrade your Celestron computerized telescope with ultra-precise 16-channel GPS time, date, and location data.
- **SAVE TIME ALIGNING YOUR SCOPE:** Instead of entering the approximate time, date, and location into your hand control manually, SkySync obtains this information from orbiting global positioning satellites, saving you time in the field.
- **GREAT FOR ASTROIMAGING:** SkySync will improve your alignment—a difference you can see in your astroimages.
- **WORKS WITH YOUR EXISTING TELESCOPE:** Simply plug into your hand control or any available AUX port on your telescope mount. Work with all non-GPS Celestron computerized telescopes.
- **MOUNTING STRAP INCLUDED:** We've provided a handy Velcro strap to secure the SkySync GPS unit to one of your telescope's tripod legs, safely out of the way

Star Sense startshoot autoguider

Now Mac compatible with Intel-based Mac computers! Software and drivers are now available for use of the Orion StarShoot AutoGuider with Apple computers running Mac OS X. Visit the StarShoot AutoGuider [product support section](#) to download software and drivers.

Autoguiding has revolutionized the capture of deep-sky astro-images by mechanizing the tedious and tiring method of "manually" guiding an astrophotography exposure, which involved staring endlessly into an illuminated reticle telescope eyepiece while vigilantly tweaking your mount's electronic drive controls by hand to keep the stars pinpoint sharp. Until now, the problem has always been the lack of a simple, affordable autoguider camera to do the job.

The StarShoot AutoGuider is built around a high-resolution, 1/2" format 1.3-megapixel CMOS monochrome chip, with 5.2 μ x 5.2 μ pixels for highly accurate guiding. That high accuracy due to the small pixel size means you can use the

150.00

Omegon Crayford focuser for Schmidt-Cassegrain telescopes -for better astrophotography

Achieving precise focus in astrophotography is half the battle. This is not an easy task however, especially with Schmidt-Cassegrain telescopes. The reason here is that the primary mirror of SC telescopes wobbles back and forth slightly during the focusing procedure. This 'mirror shift' is one hassle that you can easily avoid by using the new Omegon Crayford focuser. This SC focuser lets you focus completely accurately, helping you rapidly and easily locate the precise point of focus.



Simply screw on and get started

The Omegon SC Crayford focuser is simplicity itself to use. Its telescope-side thread fits directly onto the standard SC thread on your Schmidt-Cassegrain telescope. In 2 minutes everything is screwed on and you can get started. Coarse focusing is done

using the main mirror focusing knob, but the final precise focusing is done using the new focuser.

An improved Crayford focuser

'Bearing Type' is the name of the new improved Crayford design. A 'normal' Crayford focuser already has the advantage of play-free focusing. The secret of this Omegon focuser is its roller ball bearings: 8 over-size rollers keep the focuser's tube firmly in place. The tube slides silkily smoothly into any desired position. The addition of a rack-and-pinion makes the hold the focuser tube securely in position - the tube does not simply slide through as is the case with 'normal' Crayford focusers.

150.00