

## Orion Autoguider Review

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COMPLETE ASTROPHOTOGRAPHY SETUP \u0026amp; UNBOXINGTop 5 tips for improving planetary views with your telescope Celestron AVX Mount, 8SE OTA, and Orion ShortTube 80 ~~How to focus a wobbly telescope~~ The Deepest Ever Look into Orion Nebula : Amazing HD views PHD2 Guiding - Setup, Troubleshooting \u0026amp; Tips Amateur Astronomy Video 4 - Eyepieces, Focal Length, Magnification My 2020 Astrophotography Setup New ZWO Guide Scope and PHD2 Settings [AutoGuiding with PHD2 and a Guide-Scope | Tutorial](#) Orion 60mm Multi-Use Guide Scope with Helical Focuser - Orion Telescopes Features of the Orion CT80 80mm Refractor StarShoot AutoGuider Package - Orion Telescopes Orion Magnificent Mini AutoGuider Package Reviews 2019 Features of the Orion StarShoot AutoGuider Pro \u0026amp; 30mm Ultra Mini Guide Scope - Orion Telescopes Features Orion StarShoot AutoGuider Pro Monochrome Camera - Orion Telescopes ~~Features of the Orion Magnificent Mini Autoguider Package~~ ~~Orion Telescopes Orion Magnificent Mini Deluxe AutoGuider Package - Orion Telescopes~~ [Guide Scopes LONG or SHORT Focal Ratios/Lengths?](#) Orion Autoguider Review

The Orion StarShoot Solitaire is a stand-alone unit that will guide your mount without a PC; all you have to provide is a guiding telescope and a 12V DC power supply. You should seriously consider using an autoguider if you plan to take pictures of the night sky.

Orion StarShoot Solitaire Autoguider review ...

Find helpful customer reviews and review ratings for Orion StarShoot AutoGuider & 60mm Guide Scope Package at Amazon.com. Read honest and unbiased product reviews from our users. Select Your Cookie Preferences . We use cookies and similar tools to enhance your shopping experience, to provide our services, understand how customers use our services so we can make improvements, and display ads ...

Amazon.co.uk:Customer reviews: Orion StarShoot AutoGuider ...

PHD guiding software included is excellent - easy to set up, with the graphs showing you the corrections the AutoGuider is applying to the mount. Remember to set up the camera and guide scope during the day, which means turning down the sensitivity of the camera to give you a usable image to set the focus.

Amazon.co.uk:Customer reviews: Orion Magnificent Mini ...

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Orion Starshoot AutoGuider Pro & 60mm Guide Scope Package \$500. The last Orion kit we will talk about is their newer Orion Starshoot AutoGuider Pro & 60mm Guide Scope Package. This kit contains their latest Starshoot Autoguider Pro camera which improves on the sensitivity of the older Starshoot camera and also reduces the weight.

Best Autoguider and Guide Scope for 2020 - Astronomy Online

I can't write too much of a review just yet as due to weather, I have only been able to use this once. I was using it on a Celestron C90 and a CG5 mount. The Orion gits the spotter shoe on the C90 perfect as the guidescope uses a semi-standard dovetail mount.

Amazon.com: Customer reviews: Orion Magnificent Mini ...

The Orion StarShoot AutoGuider's sensor is a high-resolution, 1/2" format 1.3-megapixel CMOS monochrome chip, with 5.2 micro x 5.2 micro pixels for highly accurate guiding. That high accuracy due to the small pixel size means you can use the AutoGuider with smaller, less expensive guide scopes than is possible with other guide cameras.

Orion 52064 StarShoot AutoGuider: Amazon.co.uk: Camera & Photo

"Orion's StarShoot AutoGuider worked great. It was simple to set up and start guiding accurately. The resulting photos showed well-tracked, pinpoint stars." "A nice feature of the StarShoot is its simple cable connections.

Orion StarShoot AutoGuider | Orion Telescopes ...

Old Customer Reviews. One of the best ways to find out if a purchase is the right one for you is by reading through customer testimonials. You should look at positive and negative reviews so that you can see all of the benefits and drawbacks to buying an best autoguider for astrophotography from that seller. In addition, you should look at the ...

10 Best Best Autoguider For Astrophotography

It is a stand-alone autoguider, one that doesn't need a laptop or software to operate; all that's needed is a second telescope. We're looking at one of the first off-the-shelf retail SynGuiders here. It comes well packaged in a sturdy 23x15x9cm box. Inside there's a reasonably well-written and illustrated A6 manual, the SynGuider itself, a hand control pad, 1.25-inch nosepiece, T ...

Sky-Watcher SynGuider review - skyatnightmagazine

The Orion SSAG is an affordable autoguider. Works well with PHD and includes all software necessary. The default settings are plug and play. In PHD you may need to alter the advanced settings (brain icon) to help with settling the RA and DEC.

Amazon.com: Customer reviews: Orion 52064 StarShoot AutoGuider

The Orion autoguider and scope made a big difference in my long exposure astrophotographs. I did have a problem with the mount because it was too short from my scope (Celestron 1100 HD).

Amazon.com: Customer reviews: Orion Awesome AutoGuider ...

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Amazon.co.uk: Orion autoguider

Complete autoguiding solution includes 60mm Multi-Use Guide Scope and StarShoot AutoGuider. PRODUCT PAGES: For our US and Canadian customers - <http://bit.ly/...>

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## Orion StarShoot AutoGuider & 60mm Guide Scope Package ...

With a total weight of just 1.3 lbs (20.4 oz.), the Orion Magnificent Mini AutoGuider package adds minimal mass to astrophotography setups, making it easy to add autoguiding accuracy to your images without adding the bulk of older and larger guide scopes.

## Orion Magnificent Mini AutoGuider Package | Orion Telescopes

Orion's Mini Deluxe Pro AutoGuider Package is the latest and greatest solution to improve the accuracy and sharpness of your astrophotos. Designed for use with imaging telescopes up to 1500mm in focal length, this complete autoguiding package is easy to install and includes everything you need to ensure your astrophotography setup is tracking objects precisely for optimal imaging performance.

## Orion Mini Deluxe Pro AutoGuider Package: Amazon.co.uk ...

The Lacerta MGEN-3's simple alternative to "full-on" guiding, one where a laptop and additional software isn't needed, is exciting. Opening the MGEN-3's box we were surprised by the lack of components. There's the autoguider control box (a lightweight 40g), a 1.2MP guide camera, two USB leads and an ST4 guiding cable.

## Lacerta MGEN-3 stand-alone autoguider review ...

Orion Awesome AutoGuider (24770) Accuracy is the name of the game in Astrophotography - a poorly polar-aligned instrument or slight discrepancies in the running gear of a system's drives will lead to less than spectacular images. Autoguiding is in most cases the quickest, easiest and most cost-effective way of combatting these issues.

## Orion Awesome AutoGuider Package - Telescope House

The Orion StarShoot AutoGuider is a popular, proven solution to autoguiding for astrophotography. It utilizes a 1.3 megapixel imaging chip that is 5.2 x 5.2 ...

## Orion StarShoot AutoGuider Review - YouTube

The MGEN Autoguider not only uses a sensitive Chip with small Pixels (3.75µm at 6mm diagonal, 1280x960) but also a worldwide unique algorithm of unrivaled accuracy of 1/50 pixel for guiding. The new AI-algorithm of the MGEN-3 uses up to 100 Stars in the field at once, which even eliminates seeing effects for guiding.

The Orion Telescope Observer's Guide highlights over sixty interesting objects for budding amateur astronomers to find and observe in a small telescope. We'll help you explore objects such as star clusters, multiple stars, nebulae, and even the Andromeda Galaxy! Helpful maps of each target object are included, as are examples of what the object will look like in a typical finderscope, and depictions of the view you'll see in a telescope eyepiece. The author also includes a realistic description of every object based upon his own notes written over years of observations. Written with the beginner in mind, the Orion Telescope Observer's Guide also includes vital tips and tricks to help you get the most out of the rewarding hobby of amateur astronomy. If you're new to stargazing with a small telescope, this book is your introduction to the stars!

PixInsight has taken the astro-imaging world by storm. As the first comprehensive postprocessing platform to be created by astro-imagers for astro-imagers, it has for many replaced other generic graphics editors as the software of choice. PixInsight has been embraced by professionals such as the James Webb (and Hubble) Space Telescope's science imager Joseph DePasquale and Calar Alto's Vicent Peris, as well as thousands of amateurs around the world. While PixInsight is extremely powerful, very

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little has been printed on the subject. The first edition of this book broke that mold, offering a comprehensive look into the software's capabilities. This second edition expands on the several new processes added to the PixInsight platform since that time, detailing and demonstrating each one with a now-expanded workflow. Addressing topics such as PhotometricColorCalibration, Large-Scale Pixel Rejection, LocalNormalization and a host of other functions, this text remains the authoritative guide to PixInsight.

The touchstone for contemporary stargazers. This classic, groundbreaking guide has been the go-to field guide for both beginning and experienced amateur astronomers for nearly 30 years. The fourth edition brings Terence Dickinson and Alan Dyer's invaluable manual completely up-to-date. Setting a new standard for astronomy guides, it will serve as the touchstone for the next generation of stargazers as well as longtime devotees. Technology and astronomical understanding are evolving at a breathtaking clip, and to reflect the latest information about observing techniques and equipment, this massively revised and expanded edition has been completely rebuilt (an additional 48 pages brings the page count to 416). Illustrated throughout with all-new photographs and star charts, this edition boasts a refreshed design and features five brand-new chapters, including three essential essays on binocular, telescope and Moon tours by renowned astronomy writer Ken Hewitt-White. With new content on naked-eye sky sights, LED lighting technology, WiFi-enabled telescopes and the latest advances in binoculars, telescopes and other astronomical gear, the fourth edition of *The Backyard Astronomer's Guide* is sure to become an indispensable reference for all levels of stargazers. New techniques for observing the Sun, the Moon and solar and lunar eclipses are an especially timely addition, given the upcoming solar eclipses in 2023 and 2024. Rounding out these impressive offerings are new sections on dark sky reserves, astro-tourism, modern astrophotography and cellphone astrophotography, making this book an enduring must-have guide for anyone looking to improve his or her astronomical viewing experience. *The Backyard Astronomer's Guide* also features a foreword by Dr. Sara Seager, a Canadian-American astrophysicist and planetary scientist at the Massachusetts Institute of Technology and an internationally recognized expert in the search for exoplanets.

Welcome to the first comprehensive guide to one of the world's most popular telescopes: the ShortTube 80 refractor. With its ultra-portability, versatility, and relatively low cost, this telescope continues to delight generations of stargazers. Starting in the field under a dark sky, the author walks the reader through a typical evening of stargazing, where the ShortTube 80 brings many astronomical treasures into focus. From there, he provides an in-depth account of the optical properties of the ShortTube 80 refractor and the accessories and mounting arrangements that maximize its potential both as a spotting scope by day and an astronomical scope by night. The main text discusses how the versatile ShortTube 80 can be used to study deep sky objects, the Sun, the Moon, bright planets and even high-resolution projects, where the instrument's features can be optimized for the observation of tight double and multiple stars. It explores how the ShortTube 80 can image targets using camera phones, DSLRs and dedicated astronomical CCD imagers. Packed with practical advice gained from years of firsthand stargazing experience, this book demonstrates exactly why ShortTube 80 has remained a firm favorite among amateur astronomers for over three decades, and why it is likely to remain popular for many years to come.

This book is for anyone who owns, or is thinking of owning, a Vixen Star Book Ten telescope mount or its predecessor. A revolution in amateur astronomy has occurred in the past decade with the wide availability of high tech, computer-driven, Go-To telescopes. Vixen Optics is leading the way by offering the Star Book Ten system, with its unique star map graphics software. The Star Book Ten is the latest version of computer telescope control using star map graphics as a user interface, first introduced in the original Star Book first offered in 2003. The increasingly complicated nature of this software means that learning to optimize this program is not straightforward, and yet the resulting views when all

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features are correctly deployed can be phenomenal. After a short history of computerized Go-To telescopes for the consumer amateur astronomer market, Chen offers a treasury of technical information. His advice, tips, and solutions aid the user in getting the most out of the Star Book Ten system in observing sessions.

In *The Art of Astrophotography*, astronomer and Popular Astronomy columnist Ian Morison provides the essential foundations of how to produce beautiful astronomical images. Every type of astroimaging is covered, from images of the Moon and planets, to the constellations, star clusters and nebulae within our Milky Way Galaxy and the faint light of distant galaxies. He achieves this through a series of worked examples and short project walk-throughs, detailing the equipment needed – starting with just a DSLR (digital single lens reflex) camera and tripod, and increasing in complexity as the book progresses – followed by the way to best capture the images and then how, step by step, these may be processed and enhanced to provide results that can rival those seen in astronomical magazines and books. Whether you are just getting into astrophotography or are already deeply involved, Morison's advice will help you capture and create enticing astronomical images.

Provides easy to understand information and guidelines about the design and construction of binoscopes. Focusing on both homemade and commercial products, this book provides the reader with simple and straightforward information about the modelling and building of binoscopes. Binoscopes can be thought of as binoculars enlarged to the size of telescopes: essentially, a combination of the two. Constructing a binoscope is easier than most people think, but it still demands attention to detail and proper background knowledge. The author goes on to provide additional information about how to understand the products currently on the market, should the reader choose to purchase a binoscope instead of building one. Lastly, the book also compares binoscopes with telescopes in great detail, outlining the differences the reader can expect to see in the night sky from using both. The celestial views obtained with a binoscope, compared to a single telescope of the same aperture, are a very different experience and well worth the effort.

This book serves as a comprehensive guide for using a Nexstar Evolution mount with WiFi SkyPortal control, walking the reader through the process for aligning and operating the system from a tablet or smartphone. The next generation Go-To mount from Celestron, this is compatible not only with the Nextstar Evolution but also with older mounts. It is the ideal resource for anyone who owns, or is thinking of owning, a Nexstar Evolution telescope, or adapting their existing Celestron mount. Pros and cons of the system are thoroughly covered with a critical depth that addresses any possible question by users. Beginning with a brief history of Go-To telescopes and the genesis of this still new technology, the author covers every aspect of the newly expanding capability in observing. This includes the associated Sky Portal smartphone and tablet application, the transition from the original Nexstar GoTo system to the new SkyPortal system, the use of the Sky Portal application with its Sky Safari 4 basic software and Celestron WiFi adaptations, and discussions on the use of SkyPortal application using the Celestron adapter on older Celestron mounts. Comments and recommendations for equipment enable the reader to successfully use and appreciate the new WiFi capability without becoming overwhelmed. Extensively illustrated using actual screenshots from the program interface, this is the only guide to the Nextstar SkyPortal an observer will need.

*The Astrophotography Manual, Second Edition* is for photographers ready to move beyond standard SLR cameras and editing software to create beautiful images of nebulae, galaxies, clusters, and the stars. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from choosing and using equipment to image capture, calibration, and processing. This combination of technical background and hands-on approach brings the science down to earth, with practical methods to ensure success. This second edition now includes: Over 170 pages of new content

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within 22 new chapters, with 600 full-color illustrations. Covers a wide range of hardware, including mobile devices, remote control and new technologies. Further insights into leading software, including automation, Sequence Generator Pro and PixInsight Ground-breaking practical chapters on hardware and software as well as alternative astrophotography pursuits

In the last few years, digital SLR cameras have taken the astrophotography world by storm. It is now easier to photograph the stars than ever before! They are compact and portable, flexible to adapt with different lenses and for telescope use, and above all DSLR cameras are easy and enjoyable to use. In this concise guide, experienced astrophotography expert Michael Covington outlines the simple, enduring basics that will enable you to get started, and help you get the most from your equipment. He covers a wide selection of equipment, simple and advanced projects, technical considerations and image processing techniques. Unlike other astrophotography books, this one focuses specifically on DSLR cameras, not astronomical CCDs, non-DSLR digital cameras, or film. This guide is ideal for astrophotographers who wish to develop their skills using DSLR cameras and as a friendly introduction to amateur astronomers or photographers curious about photographing the night sky.

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