

Autoguiders

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Autoguiders

An autoguiders is a digital camera with a CCD or CMOS detector at the focus of the guidescope or, in the case of an off-axis guider, at the focus of the imaging instrument after some of its light has been diverted by a small prism.

What is an autoguiders? - skyatnightmagazine

Autoguiders are small sensor cameras that track stars so the astrophotographer can monitor drift alignment before taking their exposures.

Telescope Autoguiders | Astrophotography Autoguiders

An autoguiders is an automatic electronic guidance tool used in astronomy to keep a telescope pointed precisely at an object being observed. This prevents the object from drifting across the field of view during long-exposures which would create a blurred or elongated image.

Autoguiders - Wikipedia

PHD2 Guiding includes a user interface that allows you to enter in your specific connection type and autoguiding camera model. Currently, I use an Altair GPCAM2 (AR01030 Mono) guide camera with a Starfield 50mm guide scope. This combination works extremely well, and I spend very little time dealing with anything related to autoguiding these days.

Autoguiding a Telescope for Deep Sky Astrophotography ...

Orion StarShoot AutoGuider Pro Mono Astrophotography Camera With its high 74% quantum efficiency, the StarShoot AutoGuider Pro will "guide" you to capturing better pictures. This multipurpose monochrome device is primarily designed for autoguiding, but also performs as a high-quality astrophotography camera. \$399.99

Autoguiding Solutions | Orion Telescopes: Shop

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.

Orion StarShoot AutoGuider | Orion Telescopes ...

The NexGuide stand-alone autoguiders eliminates the need for a laptop computer in the field. Perfect for imaging with your DSLR camera. Specifications: IMAGE SENSOR. Type: APTINA MT9V034C12STM CMOS Sensor; Chip size: 4.51mm(X) *2.88mm(Y) Number of effective pixels: 752(X) *480(Y) Unit cell size: 6.0µm(X) * 6.0µm(Y) POWER SUPPLY

NexGuide Autoguiders | Celestron - Telescopes, Telescope ...

Specifically designed as an autoguiders, the monochrome Lodestar X2 has high sensitivity and low noise. It's also sensitive enough to image brighter deep sky objects. Because of its sensitive CCD sensor, the X2 is considerably more expensive than other autoguiding cameras. Orion StarShootAutoguiders. Another dedicated autoguiding camera, the ...

Selecting a Guide Scope and Autoguiding Camera for ...

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An autoguiders is basically a camera that can either connect to your mount or a computer and tracks a specific star. When the selected star moves more than a specified amount away from the spot where it is supposed to be in the images the camera takes, it tells the mount to move a certain amount to keep that star dead in the center of the frame.

Best Autoguiders and Guide Scope for 2020 - Astronomy Online

The MGEN Autoguiders 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.

Lacerta MGEN-3 ★★★ The sensitive standalone autoguiders

Orion Magnificent Mini AutoGuiders Package. 4.1 out of 5 stars 8. \$349.99 \$ 349. 99. FREE Shipping. In stock on May 23, 2020. Astromania SGCMOS Series Telescope CMOS Camera - Great Camera for auto-Guiding and Multiple Types of Astrophotography - Multicolour Imaging. 3.6 out of 5 stars 14.

Amazon.com: celestron autoguiders

The easiest way to enter the realm of guided deep-sky astrophotography is by the piggyback method. Simply attach a camera to the side of the telescope, point skyward, and open the shutter. You guide the camera by tracking on a star seen in the telescope itself.

Guiding a Telescope for Imaging Like a Pro - Sky ...

The Orion SSAG is an affordable autoguiders. 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 : Orion 52064 StarShoot AutoGuiders : Telescope ...

An auto-guiders is a small camera that sends commands to your star tracker, drastically increasing the tracking accuracy! In order to use the auto-guiders, you'll also need a guide scope. This guide scope is just a small lens that allows the auto-guiders camera to see the stars.

Peter Zelinka | Auto-Guiding with the SkyGuiders Pro

Starlight Xpress SXV Autoguiders. \$379.00. Add to Cart. Starlight Xpress SXV EX Autoguiders. \$449.00. Add to Cart. StarShoot AutoGuiders. \$279.95. Add to Cart. ZWO ASI 174MM Mini (Mono) \$499.00. Add to Cart. ZWO ASI 290MM Mini (Mono) \$299.00. Add to Cart. 9 Item(s) Show. per page . Sort By. Sign up for our newsletter to ...

Autoguiders - Cameras - Imaging

The Starlight Xpress Lodestar X2 Autoguiders is a popular guide camera for deep-sky astrophotography. In fact, the original Lodestar was considered to be the best autoguiders on the market for a long time. The X2 version is the successor to the original Starlight Xpress Lodestar autoguiders and uses a Sony ICX829 Exview sensor.

Using a Starlight Xpress Lodestar X2 Autoguiders for ...

MGEN - the worlds best autoguiders Add to cart. Lacerta MGEN-II Superguiders (Autoguiders Camera with remote and stand alone functions) \$699.00 QHY5III174 is the first in the new QHY5III series CMOS USB3.0 cameras. Add to cart. QHY5III174M USB 3.0 . \$629.00 ...

Autoguiders - Camera Concepts & Telescope Solutions

The revolutionary, stand-alone auto guiding tool, SynGuiders is here. Equipped with Sony CCD image sensor and the real-time star image display screen, SynGuiders can work independently without a computer or calibration software. You will be saving significant power while working in the stargazing field with a limited electricity power pack.

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