

Autoguider

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Autoguider An autoguider 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 autoguider? - skyatnightmagazine An autoguider 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. Autoguider - Wikipedia 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 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 ... An autoguider 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 Autoguider and Guide Scope for 2020 - Astronomy Online The Sky-Watcher SynGuider is a simple and elegant stand-alone autoguider that can guide a German Equatorial Mount equipped with an ST-4 autoguider port without the use of a PC/Laptop. Features real-time star image display, standard ST-4 autoguider interface, user upgradeable firmware and M42 or 1.25" telescope connections. Sky-Watcher SynGuider Autoguider II | First Light Optics The NexGuide stand-alone autoguider enables automatic drive corrections even without a laptop. Ideal for astrophotography with a DSLR camera. The slim body of the NexGuide camera fits easily to any telescope and to any equatorial mount that has compatible autoguider input via an ST-4. Celestron NexGuide Stand Alone Autoguider: Amazon.co.uk ... The NexGuide stand-alone autoguider 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. 4 D-cell batteries (not included), optional DC power supply ... NexGuide Autoguider | Celestron - Telescopes, Telescope ... 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. Lacerta MGEN-3 ★★★ The sensitive standalone autoguider Starlight Xpress Lodestar X2 Autoguider (7) £445.00 Add to Basket. Atik GP Guider/Planetary Camera. £389.00 Add to Basket. Sky-Watcher EvoGuide 50ED Guidescope & ZWO ASI120MM-Mini Bundle (2) £319.00 £334.00 Add to Basket. Guide Scope Bundle - Suitable for Piggy Backing (1) £306.00 £328.00 Add to Basket. Guide Scope Bundle - Suitable for Side-By-Side bars or GuideScope Mounts. £269.00 £ ... Guide cameras | First Light Optics 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 imaging telescope is on target and the camera focused. • The guide scope and autoguider are centred and focused onto a guide star. • The guide star moves parallel to the x or y axis in R.A. • The BRI reading varies between 15 and 50. CELESTRON NEXGUIDE/SW SYNGUIDER operating routine - DSLR ... Autoguiders & Accessories Telescope House offers autoguiding solutions to radically improve your Astrophotography. 11 Item (s) Autoguiders & Accessories - Astro Imaging Our popular StarShoot AutoGuider features a 1.2" format 1.3MP CMOS sensor with 5.2 x 5.2 micron sized pixels for accurate guiding performance. On the mini guide scope, a machined aluminum 1.25" adapter with three thumbscrews keeps the StarShoot AutoGuider securely in-place during long

imaging sessions. Orion Magnificent Mini AutoGuider Package The most popular way to accurately track a deep-sky object so that it can be imaged clearly is with an autoguiding system. Sky-Watcher SynGuider review - skyatnightmagazine The revolutionary, stand-alone auto guiding tool, SynGuider is here. Equipped with Sony CCD image sensor and the real-time star image display screen, SynGuider 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. Sky-Watcher | Sky-Watcher Global Website 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 - Telescope.com Autoguiders are small sensor cameras that track stars so the astrophotographer can monitor drift alignment before taking their exposures. Telescope Autoguiders | Astrophotography Autoguiders The Starlight Xpress Lodestar X2 AutoGuider is a popular guide camera for deep-sky astrophotography. In fact, the original Lodestar was considered to be the best autoguider on the market for a long time. The X2 version is the successor to the original Starlight Xpress Lodestar autoguider and uses a Sony ICX829 Exview sensor.

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