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Opening Hours

10am-5:30pm Mon-Fri
9am-2pm Sat

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Orion StarShoot Autoguider Pro Mono Camera

AUD $99.00

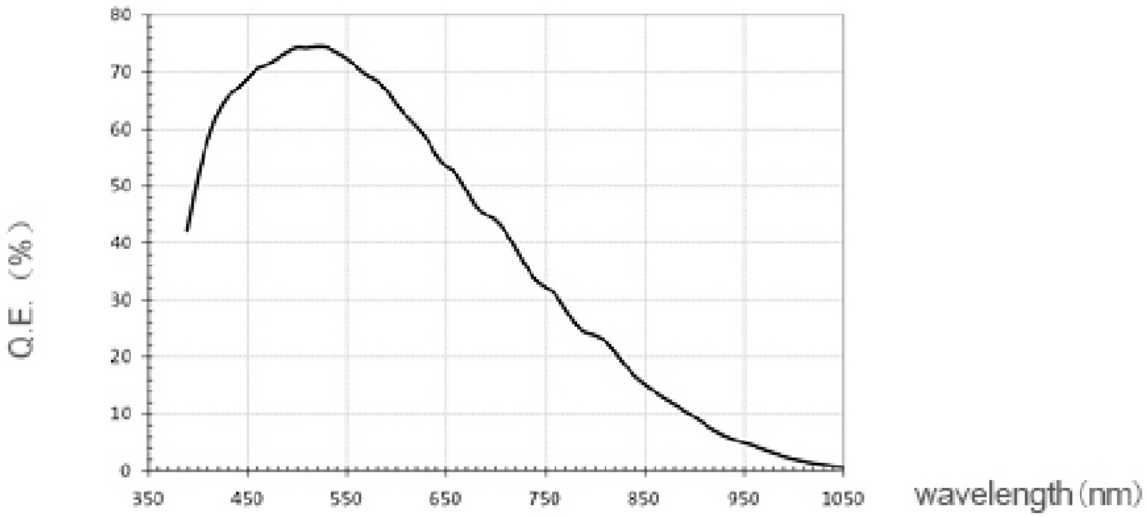
Product Images

Short Description

Description

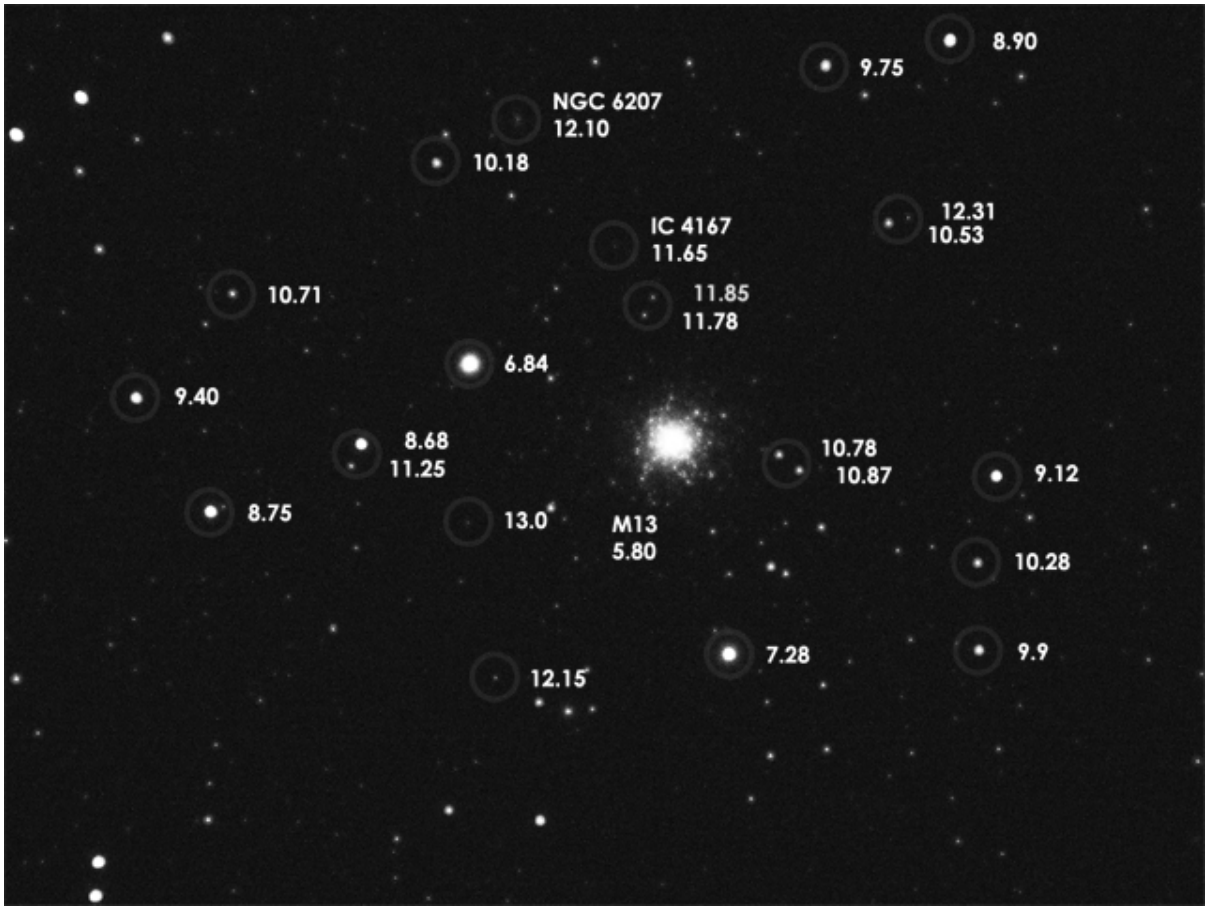
Step up to the next level of guiding accuracy and multi-purpose imaging versatility with the Orion StarShoot AutoGuider Pro Mono Astrophotography Camera. This highly sensitive monochrome imaging device is primarily designed for precise autoguiding, but it also performs as a high-quality astrophotography camera.

Boasting an astounding 74% quantum efficiency, the StarShoot AutoGuider Pro will literally "guide" you to capturing better, cleaner, more precise astrophotos thanks to its sensitivity when used as an autoguider, and it features a built-in ST-4 port. The camera's slim, lightweight design allows for improved back-focus range and better compatibility with guiding and imaging accessories such as off-axis guiders.



The StarShoot AutoGuider Pro Mono Astrophotography Camera's high quantum efficiency will help guide you to better astrophotos.

Its 1/3" CMOS sensor resolution of 1280x960 (1.2MP) not only helps achieve delightfully accurate autoguiding, it also makes the StarShoot AutoGuider Pro an ideal solar system imaging camera capable of capturing sharp monochrome exposures of the Moon and planets. The camera's exceptionally fast frame rate of up to 200 frames per second (FPS) ensures you'll catch even the most fleeting moments of clear seeing for great results.



M13 region showing star magnitudes - Unprocessed, 5 second exposure using the Orion Deluxe Mini 50mm Guide Scope and the Orion StarShoot Autoguider Pro Mono Astrophotography Camera.

This versatile camera can even be used for imaging deep space objects such as galaxies and nebulas thanks to its long 10-minute maximum exposure time, and it can capture quick exposures as short as 20ms. Since the StarShoot AutoGuider Pro Mono Astrophotography Camera features a monochrome imaging chip, you can control and experiment with different balances of LRGB and narrowband filters to accentuate details.

The included Orion AstroCap software is packed with capture features such as focus aids, histogram, exposure and gain settings, auto dark frame removal, and more. Compatible with Windows XP, Vista, 7, 8 and 10 (32 bit & 64 bit). Includes ASCOM driver.

This multipurpose performer comes with a host of useful items including a 1.25" nosepiece threaded for use with like-sized filters, a parfocal ring to aid in matching eyepiece focus to camera focus, USB cable, secure RJ-11 autoguider cable, and a nice foam-lined

tin case for safe storage and transport.

Warranty
Limited Warranty against defects in materials or workmanship for one year from date of purchase. This warranty is for the benefit of the original retail purchaser only. For complete warranty details contact us.

Additional Information

Specifications	• Best for imaging Solar, lunar, planetary & Messier objects • Imaging sensor Aptina Mono CMOS MT9M034 • Imaging sensor size 1/3" • Pixel array 1280 x 960 (1,228,800 total) • Pixel size 3.75 x 3.75 • Imaging chip Monochrome • Video frame rate Up to 200 fps • Autoguider capability Yes • Exposure range 0.00002s to 600s • A/D conversion 8 bit • Thermoelectric cooling No • IR filter No • Mounting 1.25" nozzle • USB connection High-speed 2.0 • Software compatibility Windows 7/8/10 • Binning 1x1, 2x2 • Weight (oz.) 2 • Warranty One year