

Orion StarShoot 1.3mp Solar System V Imaging Camera

AUD
\$199.00

Product Images



Short Description

- Features a 1/2.5" format color CMOS imaging chip with a very small 2.2 microns pixel size for exceptional resolution
- Camera sensor features a 1280x1024 pixel layout with 1.3 megapixel resolution, progressive scan imaging uses all pixels for each exposure
- Features a 1.25" nosepiece threaded for 1.25" eyepiece filters so you can enhance your astrophotos easily
- Standard c-mount threads below the 1.25" nozzle, allowing use with wide angle security camera lenses as well as mounting onto many microscopes
- Downloadable software and drivers compatible with Windows 7/8/10.

NOTE: This camera is not compatible with Apple products.

Description

Astrophotography can be great fun, but difficult to get into as a beginner with the high cost of so many of the cameras. Where do you start? The Orion StarShoot 1.3mp Solar System V Imaging Camera packs in very tiny pixels for a high resolution result at a great price. The moon and planets are surprisingly accessible without a huge investment in an expensive camera. Saturn's rings, Jupiter's cloud bands, and tiny craters on the moon are all within range at an affordable price.

The Orion StarShoot 1.3mp makes capturing lunar and planetary detail with your telescope fun and easy, thanks to the simple software. 1.3mp resolution comes courtesy of the Micron MT9P031 1/2.5 inch format CMOS chip. 1280x1024 pixels and each of those pixels is an incredibly small 2.2µm in size for fantastic resolution in 24-bit color. By stacking multiple exposures to create a single picture, the resulting image detail is increased significantly. The exposure range is manually adjustable from 0.001-0.4 seconds, allowing for precise exposure.

The camera's 1.25" nosepiece is threaded for 1.25" eyepiece filters, so astrophotography filters and color visual filters will enhance your shots. Underneath the 1.25" nozzle is a standard c-mount thread, so the camera is compatible with a wide variety of applications such as attaching security camera lenses, as well as mounting on many microscopes. And don't forget you can add a 2x or higher magnification Barlow lens for even greater resolution!

A download link for software, compatible with Window 7/8/10 is included. Web links are provided in the manual for downloading popular free image processing software to be used with your files to further enhance your astrophotos. Image processing software allows you to align and stack (combine) hundreds of individual images into a single resultant image and perform additional image processing to bring out subtle details or to make the image appear more pleasing overall.

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.

Warning

Please note this product was not designed or intended by the manufacturer for use by a child 12 years of age or younger.

Specifications

- Best for imaging
Lunar & planetary
- Imaging sensor
1.3MP Micron Color CMOS sensor
- Imaging sensor size
1/2.5" format
- Pixel array
1280 x 1024 (1,310,720 total)
- Pixel size
2.2 x 2.2
- Imaging chip
Single Shot Color
- Video frame rate
up to 16fps at 1272x952 up to 46 fps at 632x472
- Autoguider capability
No
- Exposure range
0.001 - 0.4 seconds
- A/D conversion
8 bit
- Thermoelectric cooling
No
- IR filter
Yes
- Mounting
1.25" nozzle
- USB connection
High-speed 2.0
- Software compatibility
Windows 7/8/10 OSX
- Weight (oz.)
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- Warranty
One year