SBIG® STARCHASER™ OFF-AXIS GUIDING CAMERAS

THE WORLD'S BEST THREE-IN-ONE GUIDING CAMERAS



Diffraction Limited's invented the SBIG StarChaser series all-in-one independent off-axis guiding camera with adaptive optics support. The enhanced design of the brilliant SBIG StarChaser SC-4 includes a 0.7x focal reducer, easier-to-adjust pick off mirror, simple focus knob for one-time setup. Like it's predecessors, it is designed for large focusers, and operates independently of the main camera. Its clever design combines a pick-off mirror, guider camera, guide port and adaptive optics control for use with the SBIG AO-X tip/tilt adaptive optics unit.

Stop wasting time with ruined exposures caused by flexure between the main camera and guider. Off-axis guiding eliminates this problem by using the same optical path for the main camera and the guider. Unlike most off-axis guider assemblies that are awkward to use, consume too much back focus, and require you to precisely position a camera inside an eyepiece holder, the slim, integrated design of the SBIG StarChaser makes this a breeze.

The StarChaser SC-4 works with the SBIG ALUMA AC series cameras, the AFW-series advanced filter wheels, and the optional AO-X adaptive optics unit. We recommend the of the 10018 3-inch x 24tpi adapter or the ACC09 3-inch adapter to ensure light reaches the guide sensor and does not vignette the main camera sensor.



optics unit

platform support.

Cyanogen Imaging® MaxIm LT Imaging software

Kit available

ASCOM Standard and

DL Imaging drivers and

Software Development

Get up and running immediately with the included image acquisition and processing software. Upgradable to MaxIm DL Pro for robotic automation, telescope and observatory control

Windows 10 and 11 compatible.

Contact us regarding additional



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TECHNICAL SPECIFICATIONS	
OS Compatibility	Windows 7, 8, 10 x86/x64, Windows 11
Computer Interface	USB 2.0 Mini
Full Frame Download	0.2 sec
Pixel Digitization Rate	72 megapixels / second
A/D Converter	10 bits
Weight	0.9 lb / 400 g
Read Noise (typ)	5 e- typical
Power	12V, 300 mA
Exposure	13.5 ns to 59.26 s
Pixel Size	4.8 µm
Total Pixels	1280 x 1024
Sensor Size	6.18 mm x 4.95 mm
Focal Reducer	0.7x
Shutter	Electronic Global Shutter plus Mechanical Dark Frame Shutter
Imaging Sensor	Astronomical CMOS 1.3 Megapixel
Dark Current e-/p/s	5 e-/p/s typical at 20C
Imaging / Pixel Array	1280 x 1024 pixels
Full Well Capacity	10,000 e-
Backfocus	Electronic Global Shutter plus Mechanical Dark Frame Shutter
OPTIONAL ACCESSORIES	
Model	Description
AFW series	10, 12, 16 position filter wheel
Al W Series	10, 12, 10 position filter writer
10018	Adapter for 3-inch x 24tpi thread

ORDER THE SBIG SCIENTIFIC CAMERA OF YOUR DREAMS THIS YEAR FROM OUR WORLDWIDE NETWORK OF DEALERS

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