

Converts SBIG's innovative ST-i autoguider and planetary imager into a compact, lightweight guiding solution



- ✓ Fast f/2.8 lens allows guiding on very faint stars
- ✓ Custom mounting rings and universal base plate provide multiple attachments options for almost every telescope
- ✓ Replace heavier and more costly guidescopes

- Capable of guiding to subarcsecond accuracy on stars fainter than 7th magnitude using 1-second exposures. With its 2.7 x 2.0 degree field of view, this means that there will virtually always be a suitable guide star in the field of view no matter where the telescope is pointed in the sky.
 - Eliminates need to hunt for guide stars.
 - Since there is no need to adjust the pointing of the guide scope to find suitable guide stars, the guider can be more firmly mounted to avoid differential deflection.
- Unlike mounting systems using rings with three point adjustment screws that can move or flex, the oversized rings of this Guiding Kit clamp firmly around the body of the ST-i camera and hold it firmly in place.
 - Guide scopes that use adjustable mounting systems are almost always plagued with differential deflection. The ST-i guiding Kit is mechanically rock-solid.
- In addition to making guiding a complete and easy task, this kit also makes the ST-i a very capable electronic finder scope. The ST-i, with its built-in shutter can take dark frames allowing the useful capture of relatively long exposures compared to other guiders.
- The lens of our new Guider Kit has a fast focal ratio of F/2.8. This combined with the sensitivity and dark frame capability of the ST-i means that globular clusters and cores of galaxies are within easy reach of this compact system. In tests of the ST-i and Guider Kit from a typical backyard observatory with average light pollution, stars dimmer than 10th magnitude were detected in 1-second exposures. In 10 seconds, stars dimmer than 13th magnitude were recorded and stars as dim as 15th magnitude were captured in 30 seconds.

ST-i AUTOGUIDING KIT INCLUDES:

- High quality f/2.8 lens with locking aperture and focus adjustment
- Custom C-mount adapter
- Custom heavy duty black satin finished rings and universal mounting plate
- Lens Hood / Dew shield



High Performance, Lightweight Combination!



SBIG's high-resolution, sensitive, ST-8300 camera with 8.3 Megapixels is a perfect match with our ST-i Autoguider Kit on short tube refractors!

Superior performance as a planetary camera – Superior performance as an autoguider

CCD	KAI-340	Read Noise	9 e-	Binning modes	1x1 2x2 1xN 2xN	Size	1.25 x 3.5"
Class	I	Dynamic Range	> 70 dB	Sub-frame modes	Any size	1" Guiding	Mag 11 (60 mm)
Array	648 x 484	Frames / Sec	5 – 12	Power + Interface	USB 2.0	Software	Included
Pixel	7.4 u	Mechanical shutter	Yes	Guide port	ST-4 Standard	OS	Win / Mac
A/D	16 bits	Electronic shutter	Yes	Weight	2.2 oz	Drivers	32 or 64 bit



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