



STT-8300M

SBIG STT camera system



- Camera, Autoguider, and Filter Wheel now fully integrated with tracking sensor in front of filters. No separate guider required!
- New Micron-Precision filter wheel provides unmatched flat field accuracy for high end imaging and high precision photometry
- Lightning fast downloads < 1 second full-frame
- Superior two-stage cooling to -55 deg C ambient with air only
- Built-in frost detection
- User Selectable Internal Image Processing
- USB 2.0 and Ethernet connectivity for remote observatories

STT Camera System – The Next Generation

No compromises. To meet the demands of the next generation astroimaging, SBIG introduces the next generation STT Camera System with self-guiding integrated into a Micron-Precision Filter Wheel.

At last, a worthy successor to SBIG's classic round, dual-sensor ST and STL series self-guiding cameras!

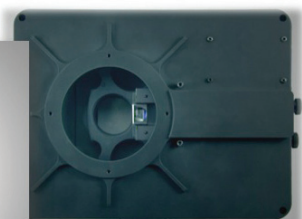
The new mid-sized STT Series cameras offer features and specifications found in no other astrocamera – of any size. Drawing on all of our previous experience and the best of each of our previous designs over the years, the STT represents the culmination of everything that the astroimager has asked for in an imaging system, packed into a 4.9 x 4.9 x 2.9 inch camera body.

STT Camera Series Highlights

- Self-Guiding in Front of filters
- Lowest Noise 10MHz Readout <1 sec
- High Precision 8-position Filter Wheel
- User Selectable Internal Image Processing
- Built-in Frost Detection
- 2-Stage TE Cooling -55C delta T with air
- Built-in Web Server
- Full Frame Image Buffer
- Even-illumination (photometric) shutter
- Ethernet and USB 2.0
- Built-in RBI Pre-flash
- Liquid Cooling Capability Standard
- Twin Variable Speed Fans
- Multi-coated Sapphire Chamber Window
- Accepts 1.25", 31mm and 36mm filters
- User Rechargeable Desiccant Plug

- High Accuracy Temperature Control
- External Triggers In / Out
- Status, Power and Relay Indicators
- Windows 32-bit and 64-bit (and Mac) Software
- Optional Remote Guide Head
- Optional Adaptive Optics (AO-8)
- Power Management System
- 12VDC Operation

STT Series Camera System



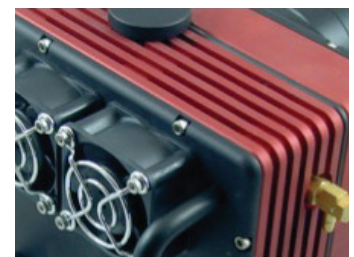
Micron-Precision Filter Wheel with Built-in Self-Guiding CCD

The Camera

No Compromises

The STT Series is a new design with everything the astroimager could want in a camera:

- Fast, low noise digitization and a full frame image buffer. At 10MHz the STT downloads a full frame, low-noise 8300 frame in less than a second.



- Custom Pelican Storm case with pre-cut foam for camera and small accessories
- Two Year Warranty Parts and Labor on the camera other than the CCD
- One Year Warranty Parts and Labor on the CCD
- Demo CD-ROM with sample images and software

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