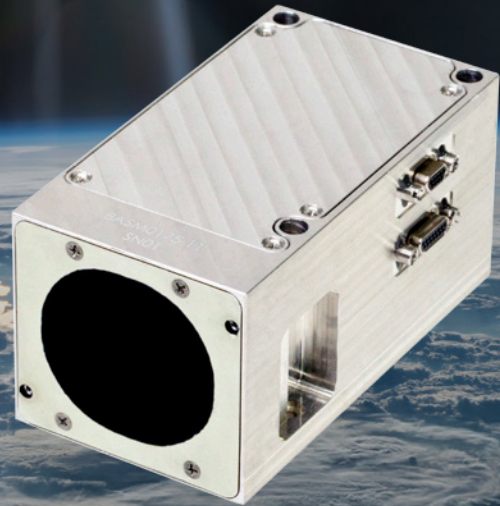




Spacecraft Buses, Systems & Solutions

NANO STAR TRACKERS

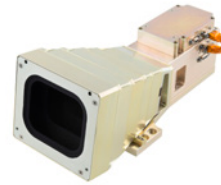
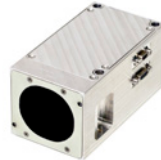


The Blue Canyon Technologies Nano Star Tracker is a reliable, high-performance design, compatible with a variety of CubeSat and Nanosat configurations and missions. The BCT Nano Star Tracker is now available for incorporation into spacecraft missions. The Nano Star Tracker includes an internal baffle and electronics.

FEATURES INCLUDE

- Tracks stars down to 7.5 magnitude
- On-board star catalog (>20,000 stars)
- Lost in-space star identification
- Low power
- User-friendly interfaces

Nano Star Trackers



Thin Slice NST

Standard NST

Extended NST

RH NST

	Thin Slice NST	Standard NST	Extended NST	RH NST
Attitude Solution	5 Hz	5 Hz	5 Hz	10Hz
Sky Coverage	> 99 %	> 99 %	> 99 %	> 99%
Mass	0.200 kg w/ baffle	0.35 kg w/ baffle	1.3 kg w/ baffle	2 kg w/ baffle
Volume	10 x 10 x 3 cm	10 x 5.5 x 5 cm	25 x 10 x 10 cm	30 x 10 x 10 cm
Peak Power	< 1.5W	< 1.5W	< 1.5W	2.5W
Field of View	10 x 12 degrees	10 x 12 degrees	10 x 12 degrees	10 x 12 degrees
Sun Keep Out	90 degrees	45 degrees (half cone)	17.5 degrees (half cone)	10 degrees (half cone)
Design Life	> 5 Years (LEO)			



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