Berlin Space Technologies

AFFORDABLE. RELIABLE. PROVEN.

ST-200

Miniaturised Autonomous Star Tracker.

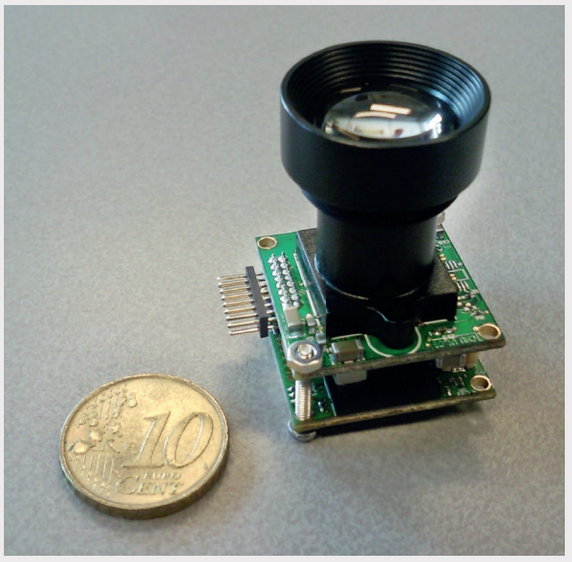
Star Tracker ST-200

Miniaturised satellite systems require miniaturised components. Therefore Berlin Space Technologies has developed one of the world's smallest autonomous star tracker fully suitable for Cubesats or other sophisticated nano satellites. It is the successor of the ST-100 star tracker developed by Berlin Space Technologies.

The ST-200 was designed keeping both physical and financial limitations of low cost nano satellite missions in mind.

Multiple ST-200 can be coupled to form a redundant configuration. The design life in LEO is 2 years.

ST-200 is a joint development of BST and Hyperion Technologies B.V.



ST-200 Electronics

ST-200 is

- **one of the world's smallest and lightest autonomous star tracker**
- **a cornerstone for your ADCS with 30 arc second accuracy**
- **suitable for low cost missions**
- **redundant configurations available**

FURTHER INFORMATION Max-Planck-Str. 3 | 12489 Berlin, Germany | info@berlin-space-tech.com | www.berlin-space-tech.com

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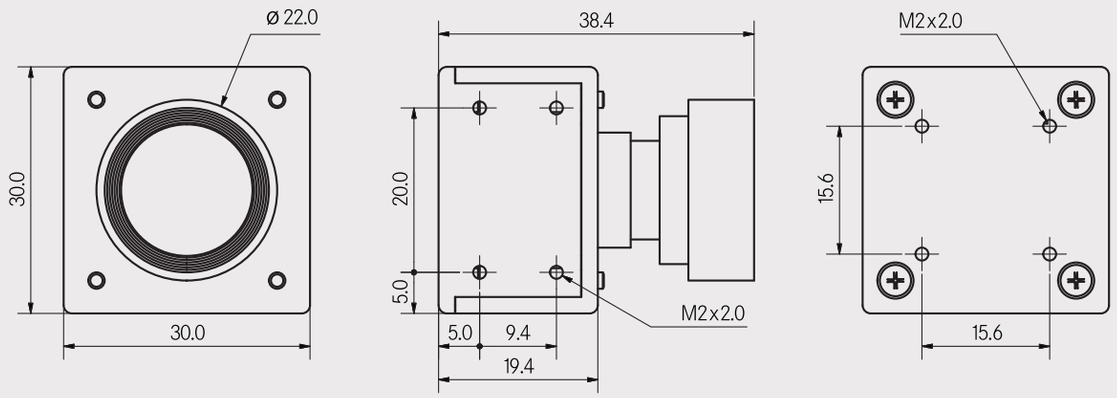

CHARACTERISTICS:	ST-200	COMMENTS
Size (w/o Baffle)	30 x 30 x 38.4mm³	
Mass (w/o Baffle)	50g	
Power	220mW/650mW	nominal/peak
Supply Voltage	3.5 – 5 V	
Interface	UART	I²C, RS485 optional
Operating Temperature	-20°C to +40°C	
Attitude Knowledge	30 arcsec (3σ)	pitch/yaw
Attitude Knowledge	200 arcsec (3σ)	roll
Update Rate	up to 5 Hz	

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