

## ST400 STAR TRACKER

The ST400 is an autonomous star sensing solution for demanding micro satellite missions. The ST400 has been jointly developed by Berlin Space Technologies and Hyperion Technologies. The device has space heritage and was qualified according to the highest standards. The design life in LEO is 5 years. Multiple ST-400 can be coupled to form a redundant configuration.



ST400-D with 40° Baffle

CHARACTERISTICS	
Main Interface	RS422
Supply	3.7-5V DC
Power Consumption	670mW @ 3.7V
Dimension (ST400D) (with Baffle 40° Sun Exclusion)	48x57x89mm <sup>3</sup> 74x74x146mm <sup>3</sup>
Mass (ST400D) (with Baffle 40° Sun Exclusion)	270g 350g
Operation Temperature	-20°C to +40°C
Accuracy (pitch & yaw) (roll)	5 arcsec (1 $\sigma$ ) 40 arcsec (1 $\sigma$ )
Update Rate	Up to 5Hz
Max. Slew Rate (nominal conditions)	0.3°/s (pitch, yaw), 1.0°/s (pure roll)
Radiation Test (Proton 130 MeV)	11 krad
Design Life (LEO)	5 years