



COBRA™

High-Performance 3DOF Gimbal System for Pointing Applications

Features and Benefits

- Very Low SWaP-C
- Singularity-Free
- Full Hemispherical Workspace
- Twist-Free Cable Routing
- TRL-9 (Gimbal)
- Commander Option Available
- Launch Locks included for payloads < 800g
 - Options available for larger payloads

HPX Performance

- Workspace: 15-90° elevation / 360° azimuth
- System Mass: 1 kg
- Pointing Precision: < 1 deg
- Gimbal Footprint: 115 mm (dia)
- Gimbal Deployed Height: 112mm
- Controller Size: 110 x 100 x 40 mm
- Operating/Idle/Max Power: 4 W / 7 W / 30 W
- Slew Rate: Up to 20 deg/sec (payload dependent)
- Radiation: Tested to 15 krad
- Lifetime: 3+ years LEO (400-850 km)
- Tracking: Ground and Crosslink available
- Operating Temperature: -30°C to +70°C
- Hardware interface: RS422, LVDS

Gimbal



**Flight
Heritage**

Gimbal Controller



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