

2-DOF DRONE GIMBAL

SPEC RANGES

ENVIRONMENTAL

- Durability at 100-150 Hz
- Operational temperature -30C - +60C
- Operational at 95% atmospheric humidity
- IP 67

FUNCTIONAL

- Lifetime: 500+ flight hours , 100+landings
- Speed up to 200 deg/sec
- Acceleration up to 200 deg/sec^2
- AZ +/- 270 degrees
- EL 135 degrees
- Dual-axis stabilization up to 200nm
- Flexibility with mechanical and electrical interface
- Pointing accuracy RMS 0.001 degrees
- 22-bit resolution

DESIGN

- Low mass, low volume, low power, few components
- Easy interchange design
- Ball enclosure design reduces drag
- Embedded control electronics
- 2-part cogless motors
- Dual encoder integration(conductive, contactless)
- Ceramic hybrid bearings
- 99.5% verified drivetrain efficiency

REGULATORY

- DO-160 | MIL-STD-810 | Intrinsically Safe

PROGRAMMATIC

- PDR 4 weeks ARO
- CDR 12 weeks ARO
- Hardware delivery dependent on long leads

