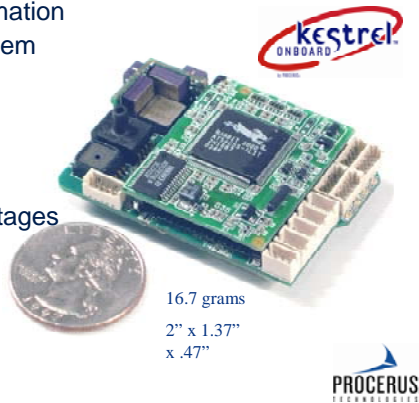


Vehicle Testbed

Autopilot

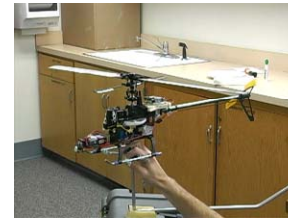
- 3-Axis Angular Rate & Acceleration Measurement
- 20 Point Sensor Temperature Compensation
- Kalman Filter Attitude Estimation
- Optional "piggy-back" Modem
- Configurable Failsafes
- 2-Axis Magnetometer
- 2-Axis Gimbal Support
- Dead reckoning filter gracefully handles GPS outages
- Multiple-UAVs
- Smart Loiters
- Auto-Trim



Airframes



Fixed Wing



Hovercraft



Tailsitter

Gimbaled Camera

- BYU Design
- Driven by Hitec Servos
 - Azimuth: HS-77BB Low Profile
 - Torque: 61.1oz-in
 - Elevation: HS-50 Feather
 - Torque: 8.33 oz-in
 - PWM Input Signal (900-2100 μ s)
- Camera: Panasonic KX-141
 - Resolution: 480 lines
 - Sensitivity: 2 lux
 - FOV lenses available: 19°, 30°, 64°, 120°
 - Format: NTSC (PAL available)
- Total Weight: 7.4 ounces



Software

