

# Sensors

1000 Hz

50 Hz

100 Hz

10 Hz

Gyroscope

Angular Rates

Magnetometer

Yaw Estimate

Accelerometer

Low-pass  
Filter

Filtered  
Acceleration

Complementary  
Attitude Filter

Attitude

IR Camera

Range and  
Bearing

Sonar

Altitude

Time  
Propagation

Position and  
Velocity

Corrected Position, Velocity,  
and Accelerometer Biases

Measurement  
Update

