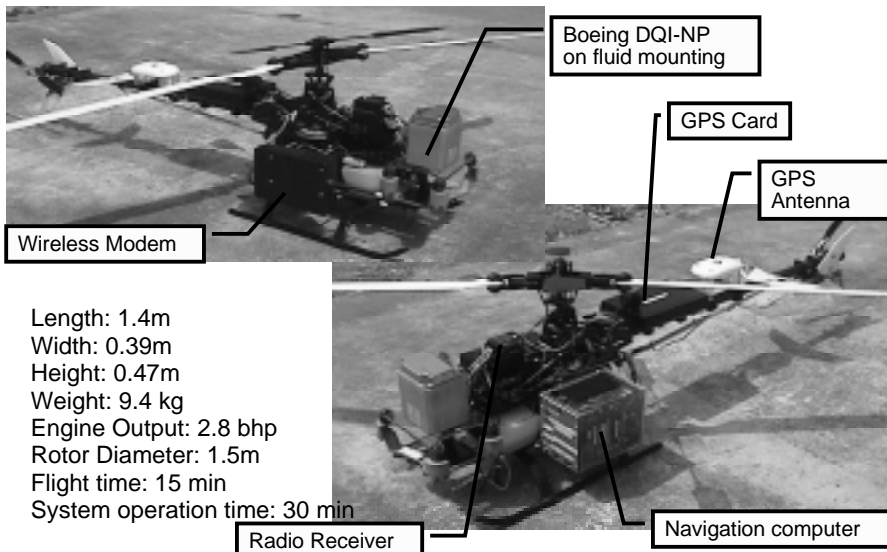


## Berkeley BEAR Fleet: *Ursa Minor3*

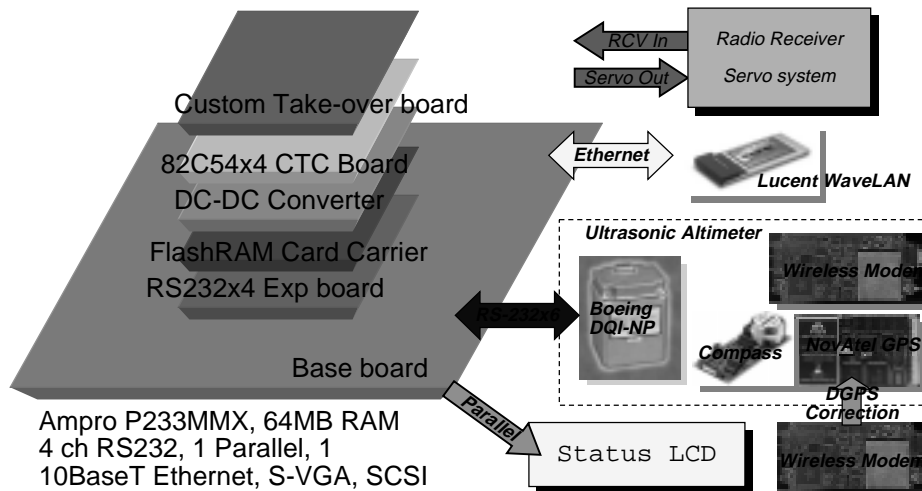


Length: 1.4m  
 Width: 0.39m  
 Height: 0.47m  
 Weight: 9.4 kg  
 Engine Output: 2.8 bhp  
 Rotor Diameter: 1.5m  
 Flight time: 15 min  
 System operation time: 30 min

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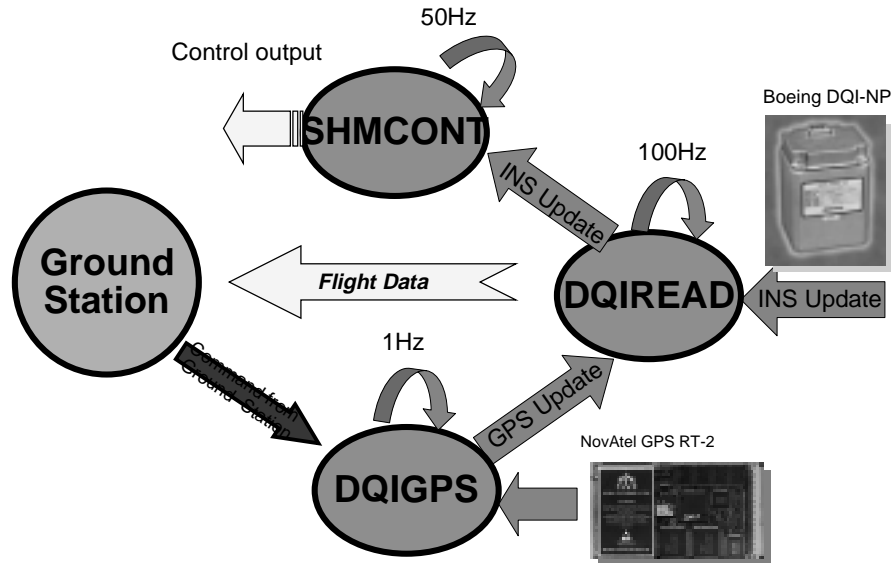
## Navigation Hardware

### 1. Navigation Computer Configuration(Ursa Magna 2)



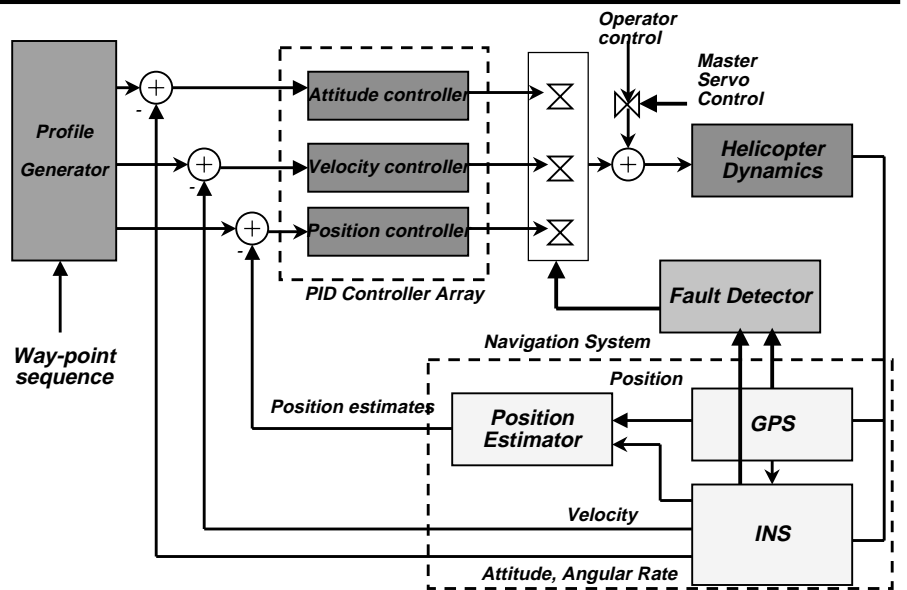
SEC Study Group Feb, 2000

## Navigation Software: DQI-NP-Based



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## Flight Control System: SISO Controller Structure



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