

Robust Navigation Solutions for UAS/UAM



infiniDome

THE GPS SECURITY COMPANY

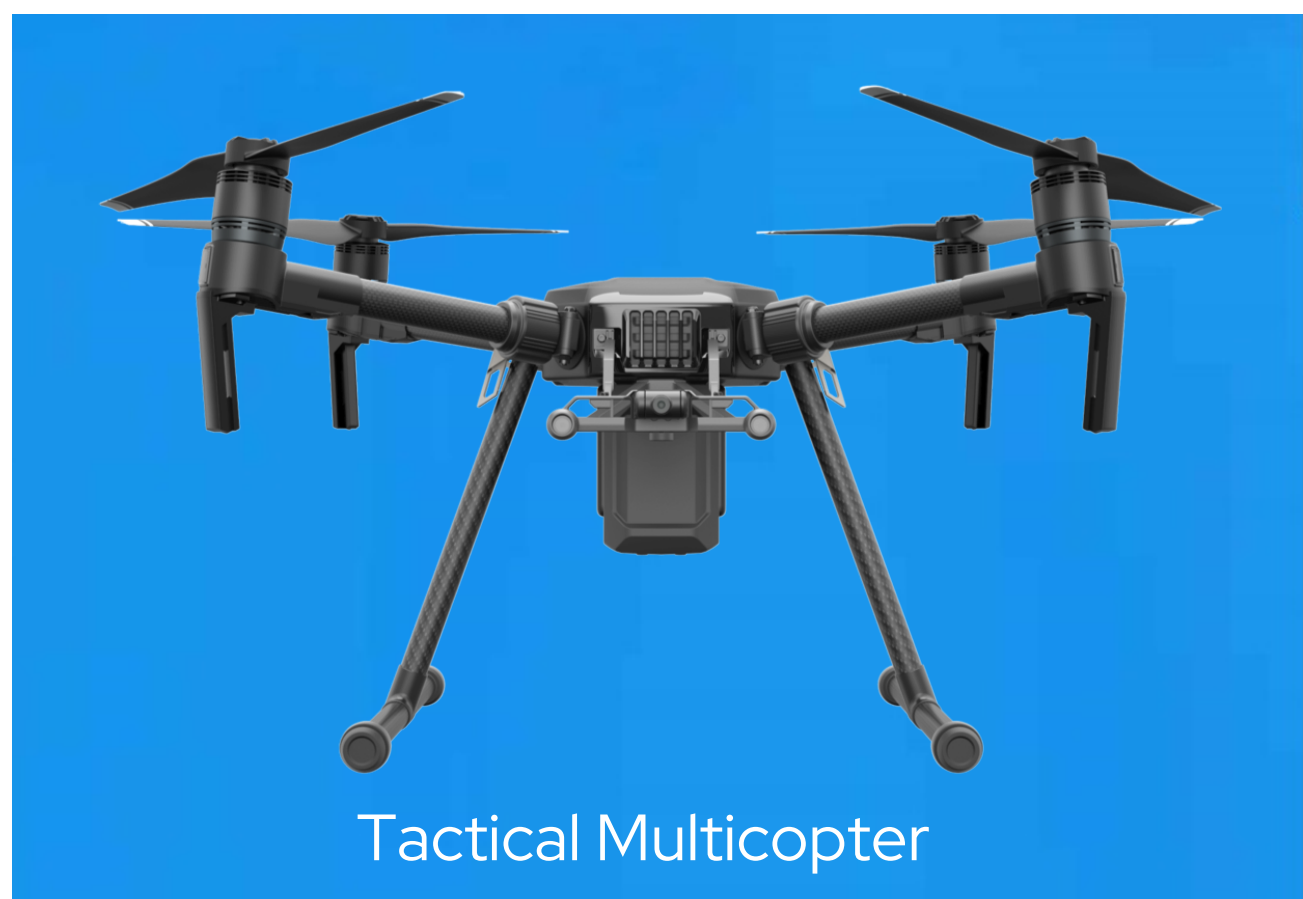
Honeywell

Enabling Safe BVLOS Operations

- Execute on plan and on time
- Operate with or without Line of Sight
- Prevent damage or loss



Tactical UAV



Tactical Multicopter



Commercial UAV's



UAM

Industry's Lowest Size, Weight, Power & Cost Solution



The infiniDome GPSdome 1

- Null steering technology
- Small form factor: 74 x 47 x 25mm, 150g
- Maximum power consumption: <0.8W
- IP67, -40°C to +85°C
- Protected frequency: GPS L1
- Passthrough frequencies: GPS L2 & Glonass G1
- Latency: 100ns ± 15ns (constant)
- Insertion loss: ±2dB



Alternative
Navigation

INS
GPSdome

RobustNav

- **50X GPS Protection**
Nominal 20dB attenuation of jamming signal
- **Continued Navigation**
Integrated INS for up to 1 minute of GPS outage
- **Extended Navigation**
Velocity Aiding System for >1 minute GPS outage



Honeywell

The Honeywell SINSU

- Provides accurate positioning for 1 minute under full GPS denial
- Improved vertical velocity for autoload
- Improved AGL altitude measurements
- Ground proximity warning
- Expandable with fusion engine (i.e. VAR, Vision)

Delivering value via integrated resiliency layers of the Robust Navigation solution

- Decrease UAV losses
- Decrease risk to pedestrians
- Increase operational capabilities (enabling BVLOS & Autonomous)
- Improve accuracy (robust GPS Heading / RTK)