

ALTERNATIVE NAVIGATION MAGNETIC ANOMALY AIDED NAVIGATION

Honeywell's magnetic anomaly aided navigation technology provides a passive solution for GPS-denied navigation. Our technology utilizes magnetic measurements compared with geo-located magnetic anomaly maps to provide an all-weather, day or night solution.

Target applications/markets:

- Sensor package/software to be combined with other Honeywell alternative navigation technologies or host navigator
- GPS denied/disrupted operation
- Fixed wing aircraft, larger UAVs, fighters/trainers, and munitions

Honeywell advantages

- Tight integration with other Honeywell alternative navigation technologies including vision and celestial
- Open architecture capability
- Simplified, low-SWaP installation to enable platform adaptability
- Supports platform/mission versatility and supports future expansion to other sensor modalities

TECHNOLOGY BENEFITS

- Passive technology
- Works over all terrains including water
- Day and night operation
- All-weather capability
- Minor installation with no major platform modifications
- True absolute position fix, which will not drift over time
- Resilient to GPS jamming

SPECIFICATION

Operating Temperature Range	-35° C to +50° C
Supply Voltage	+12V
Weight	<7.5 lbs
Required Component	Honeywell alternative navigation system (vision or celestial) or other host navigator
Interfaces	Ethernet
Power Consumption	<10 W
Performance	Demonstrated position accuracy of <200m CEP50

For more information

Visit us at: <https://aerospace.honeywell.com/en/learn/products/sensors/alternative-navigation-systems>

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