UAV protection
Brochure

infiniDome
THE GPS SECURITY COMPANY

GPS Protection for UAVs

✓ Ensuring GPS continuity ✓ Enabling Beyond Visual Line Of Sight operations

For Security, Surveillance, Military and Critical Commercial Missions

GPS Dependency is Not Going Away

GPS (GNSS) based navigation systems have become increasingly accurate, minimal in size and power, they have enabled **Beyond Visual Line of Sight (BVLOS)** and autonomous flight modes for UAVs.

GPS Jamming - #1 Threat to UAVs

GPS is the cornerstone of navigation and UAVs are vulnerable to GPS jamming attacks. Intentional jamming is no longer just a threat to military operations. Jammers are now being used extensively by robbers and civilians to interfere with tracking and surveillance capabilities. They are available for just $30 online.

$6,398 jammer

$20 jammer

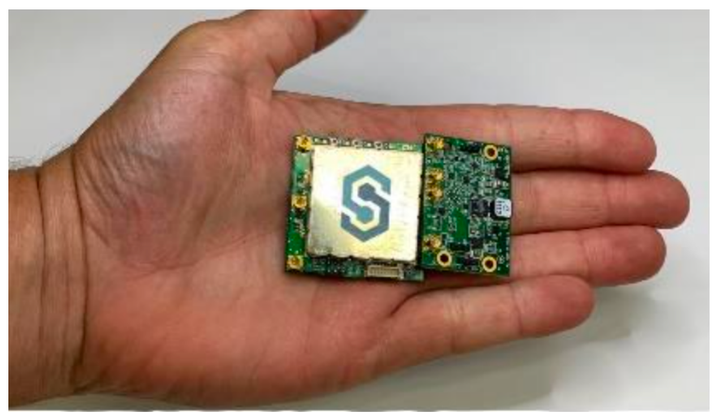
GPSdome 1

The **only** GPS anti-jamming solution for class 1-3 drones

Features

- Dual Use (non-ITAR)
- Null steering technology in tiny form factor
  - Enclosed 74x47x25mm, 150g
  - Board level: 41x41x10mm & 41x27x15mm 60g
- Maximum power consumption: <0.8W
- IP67, -40°C to +85°C (enclosed)
- Protected frequency: GPS L1 (C/A Code)
- Passthrough frequencies: GPS L2 & Glonass G1
- Minimal latency: 100ns ± 15ns (constant)

150g



60g

pixhawk

infiniDome's sophisticated **Null Steering Algorithm** and proprietary RFIC provides a non-ITAR solution for anti-jamming. This algorithm combines antenna patterns from two antennas and creates a new pattern with a null steered in the direction of the hostile signal attenuating it and protecting the GNSS receiver.

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