**GPS-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 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.

### 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
- Minimal power consumption: <1W
- 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)

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.