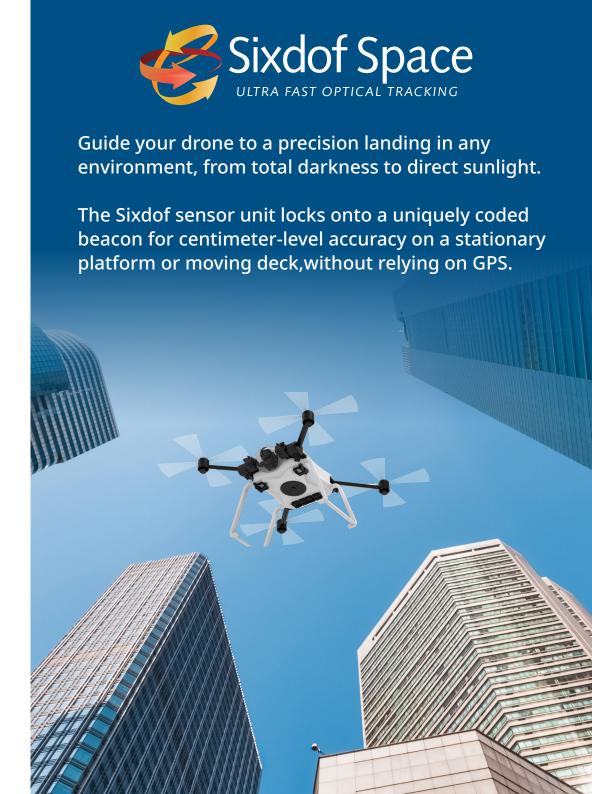
| SENSOR MODULE INSTALLATION | The sensor unit is installed on the drone in a position providing field of view to landing beacons on the ground. |
|----------------------------------|---|
| BEACON INSTALLATION | The beacons are on the ground or a moving target, aimed upward. For full 6dof tracking, the beacons would include one high powered beacon and 4 lower powered beacons. Each beacon has a unique code. |
| FIELD OF VIEW | The sensor has a 120-degree field of view. Line of sight between sensor and beacon is required. |
| RANGE | Tested up to 100m in full sunlight. |
| ALGORITHM SOFTWARE | Lightweight, can run on a companion computer as small as a Raspberry Pi 3b. |
| PRIVACY | System is not a camera and only captures the coded infrared light sources. |
| HIGH SPEED | Tracking speeds up to 400 Hz |
| WEIGHT | Sensor board weight 30 grams |
| POWER | Sensor Board – 5v USB (200mA = 1.75W) Beacons – 24v (1 amp) |
| HARDWARE INTERFACE | UDP RJ45 Connection between sensor board and companion computer. |
| SOFTWARE INTERFACE | SDK and API available for data interface. |

DevKit available for \$2,500 + freight

Includes: Sensor unit, 1 high-powered 20m beacon, 4 low-powered beacons, SDK and API for software integration, up to 10 hours remote support. Visit our website for more information.

www.sixdofspace.com sales@sixdofspace.com





Outperforming **QR Code** Solutions:

- Struggle to work when there are shadows
- Require significant on-drone processing overhead
- Have difficulty operating unless the drone is in stable, vibration-free flight
- Cannot work at night without cumbersome backlighting

Outperforming Standard Beacons:

- Function poorly under a long list of challenging conditions
- Do not scale to allow multiple landing pads at a single site
- Cannot provide full 6DOF, or even pitch and yaw reading for a safe landing

Drone Landing Guidance for the Last 25-100 Meters

Sixdof's unique technology, the result of over seven years of R&D, is based on our patented Aspheric Toroid Compression Lens. The Sixdof technology provides the platform for a perfect landing guidance solution:



Provides Positional, Directional and Pose information, even in sunlight and shadow



Works in GPS-limited areas



Provides orientation (full 6dof)



Track a moving or stationary target



Has no camera, ideal in restricted areas