

Portable Detection Unit

Reliable mobile drone detection*



The AirSight Mobile Drone Detection Unit is a fully integrated system designed for rapid deployment in securing critical infrastructure, military bases, and large-scale events. This mobile unit leverages the solar-powered platform while incorporating AirSight’s advanced Remote ID and RF detection technology for comprehensive drone awareness and easy transportation.

**Additional sensors can be added upon request*

Physical Specifications

Total Weight	~1424 lbs
Main Unit (Mini Solar D System)	Weight: ~1400 lbs Dimensions: 12.33 feet (L) x 6.83 feet (W) x 20.17 feet (H) (deployed)
RF Sensor	Weight: 20.94 lbs Dimensions: 12.52 in (diameter), 11.57 in (height)
Remote ID Module	Weight: 6 lbs Dimensions: 8.27 in (L) x 5.12 in (W) x 2.36 in (H)

Detection Specs

- Frequency Range: 400 MHz - 6 GHz
- Detection Range: Up to 8 km (5 miles) depending on environmental factors
- Tracking Capabilities: Real-time tracking of drone and operator location - 360° omni-directional
- Drone Identification: Extensive library coverage, 850+ models across commercial, recreational, and industrial categories.
- UAVs and remote controllers are detected precisely and identified with electronic fingerprints. Simultaneously tested and verified identification of 30+ different UAVs (15+ non-DJI models) and 30+ different remote controllers (15+ non-DJI)

If a Directional Finding Sensor is added to the mobile unit:

- Detects drones not emitting Aeroscope signal or remote ID, but are emitting a known drone frequency.
- Added Range of 2-3+ miles
- The more DF sensors the more accurate the location (cones cross)

Maintenance-free
AGM batteries

Heavy-duty security
battery box with dual
puck-locks

RF Sensor

Remote ID
Sensor

Telescoping 20-
foot tower with
355° rotation

High-efficiency solar panels
provide greater charging capacity
730-watt solar array provides
autonomous operation in most
locations

Compact trailer weighs
less than 1400 lbs and can
be towed by most vehicles

Tilting drawbar for
compact storage

Standard 2-inch
ball hitch
(Other hitches are
optional)

- Cellular plan included
- Tilting solar array for maximizing solar gain
- 24 VDC system power with 400 Ah battery bank
- Onboard AC charger

