dronetag

Dronetag Scout

The Ultimate Commercial Drone Detector

Majority of commercial drones broadcast its position, serial number and pilot location. Dronetag Scout turns those broadcasts within up to 25 km (15 mi) into a live airspace map with details no other technology can match, for fraction of the costs. Built for public safety teams and critical infrastructure operators, it is quick to deploy, intuitive to operate and easy to integrate into TAK or any other third-party system. With no active emissions, IP67-rated design and a single PoE connector, it can run 24/7 anywhere, from a single site to a nationwide network.

Both Bands, at Superb Range

Every antenna receives 2.4 and 5 GHz, omnidirectional and sector alike. Up to 25 km (15 mi) directional, and the only receiver on the market that tracks a Skydio at 8 km (5 mi).

Deployed in Minutes

Pole, tripod, or the roof of a van, with a single PoE connector and LTE module for connectivity.

The Pilot, on a Map

Remote ID also carries the operator's position alongside the aircraft. Open it in Google Maps with one click and send someone to the spot while the flight is still in the air.

Passive and Rugged

No active emissions and nothing to interfere with on site. IP67 aluminum with built-in heating means 24/7 operation in any environment.

Adapts to Your Needs

Choose omnidirectional or sector antennas to suit the site, and run Scout in the cloud or entirely on-premise, whichever your security policy calls for.

Runs on the Network You Already Have

LTE is included as standard, in a global and a US version. The US version is FirstNet compatible*, so it runs on the network an agency already carries.

Your Airspace, Your Rules

Whitelisting your own drone operations, custom geofence zones and instant alerts allow you to focus on what matters.

Who Is It For?

Scout is used by 350+ public safety agencies, critical infrastructure operators and armed forces worldwide. It is shaped for and by them, and covers any security scenario: from fixed sites like airports, prisons, power plants and stadiums, to agencies running Drone as First Responder programs where flights need to be followed across the whole response area rather than seen near the launch point.

Technical Specifications

- **Supported Protocols:** Bluetooth 4/5, Wi-Fi Beacon, Wi-Fi NaN
- **Supported Standards:** ASTM F3411-22A, ASD-STAN EN 4709-002
- **Supported Frequencies:** 2.4 GHz and 5 GHz on every antenna
- **Antenna Options:** Dual-band omni, dual-band sector, dual-band aviation
- **Detection Range:** Up to 10 km (6 mi) omni, up to 25 km (15 mi) directional
- **Messages Latency:** <0.5 s
- **Connectivity:** PoE+ 802.3at, PoE 802.3af compatible. LTE included as standard
- **Public Safety Networks:** FirstNet compatible in the US version
- **Antenna Connectors:** N-type, Female
- **Power Consumption:** 6 W typical (10 W max)
- **IP Rating:** IP67/NEMA-6
- **Operating Temperature:** -20 to 50 °C (-4 to 122 °F)
- **Weight:** 2.2 kg (4.8 lbs) without antennas
- **Dimensions:** 220×345×104 mm (8.6×13.5×4 in) without antennas
- **Built-in GNSS Receiver:** For determining Scout location

Configurations

- **Baseline**
  Two dual-band omnidirectional antennas for 360° coverage, up to 10 km (6 mi).
- **Aviation Baseline**
  Two dual-band omnidirectional antennas plus a dual-band aviation antenna, adding manned traffic to the same picture.
- **High Performance**
  Four dual-band sector antennas plus a dual-band omnidirectional. 360° coverage, up to 25 km (15 mi) directional.
- **Aviation High Performance**
  Four dual-band sector antennas plus a dual-band aviation antenna. Long-range Remote ID and crewed traffic from one mast.

Add-Ons

- **Custom-Made Mounting Kit**
  Ships with a Dronetag mount built specifically for Scout, no generic pole hardware needed.
- **On-Premise Deployment**
  Operate independently of cloud infrastructure, with data held inside your own network.
- **Custom Builds**
  Configurations outside the standard four, quoted per project with an extended lead time.

What Scout Detects

Scout detects any drone compliant with Remote ID standards, on Bluetooth 4 and 5, Wi-Fi Beacon and Wi-Fi NaN, across 2.4 and 5 GHz. Which aircraft broadcast, and which do not, is set by the standard rather than the receiver.

See which drones have Remote ID

See reference Scout installations

Why Choose Dronetag Scout

Scout delivers the best dual-band Remote ID performance on the market, no exaggeration. No other Remote ID receiver puts both bands on sector antennas, which is what allows a Skydio aircraft to be received at 8 km (5 mi).

The hardware, firmware and software are developed entirely in-house, and the receiver is TAK and SAPIENT compatible, so it drops into an existing UTM, C-UAS or third-party system.

3,000+ active detection systems

40+ countries

350+ public safety agencies

35+ integrators

Contact us at sales@dronetag.com for a free trial and see what Scout receives over your airspace.

www.dronetag.com | sales@dronetag.com

* Full support coming with upcoming updates