

Dronetag Scout

Plug & Play Long-Range Drone Detection

Dronetag Scout is a high-performance Remote ID receiver designed to monitor and identify commercially available drones by capturing their identification and flight telemetry data. With detection ranges of up to 10 km (6 mi) with omni antennas and 25 km (15 mi) with directional antennas, it is an ideal solution for airports, critical infrastructure, and secure facilities to increase situational awareness and make informed decisions. Multiple Scouts can be interconnected to expand coverage, allowing for comprehensive monitoring of entire cities and critical infrastructure.



Advanced Drone & Pilot Detection

Multiple independent radios continuously receive Remote ID signals, enabling detection of drones, their pilots (or take-off position), and even identifying the drone's manufacturer and model. This data equips you to take swift decisive action against potential threats, ensuring safety of your airspace.



Real-Time View & Data Logging

Monitor drone activities through the Dronetag App, available on Android, iOS, and web browser, or integrate seamlessly with third-party systems using our API. Historical data is stored for post-incident analysis, and users can set up geofencing alerts to be notified of unauthorized drones.



Effortless Installation

Deploy Scout at any location with pole or wall mounting options. It supports PoE for streamlined power and connectivity and can optionally include 4G connectivity for added flexibility. As a passive receiver, it does not create any interference with existing installations.



Built to Last

Designed for reliability, Scout features an IP67-rated aluminum enclosure and built-in heating to ensure consistent performance in harsh environmental conditions.

Who Is It For?

Dronetag Scout is designed to meet the needs of organizations safeguarding sensitive airspaces, such as airports, prisons, nuclear plants, and high-security zones. It is an essential tool for public safety agencies, law enforcement, and Unmanned Traffic Management (UTM) systems, offering reliable airspace monitoring for all environments.



Which Drones Are Detected?

Dronetag Scout detects all Remote ID-equipped drones compliant with FAA, EASA, and MLIT standards. The system is designed to detect unauthorized drone activities, including unintentional breaches and low-sophistication criminal operations. For a comprehensive list of drones, visit drone-remote-id.com/#which_drones_have_remote_id.

Technical Specifications

- ▷ **Supported Protocols:**
Bluetooth 4/5, Wi-Fi Beacon, Wi-Fi NaN
- ▷ **Supported Standards:**
ASTM F3411-22A, EN 4709-002
- ▷ **Supported Frequencies:**
2.4 GHz, 5 GHz
- ▷ **Messages Latency:**
< 0.5 s
- ▷ **Antenna Connectors:**
N-type, female
- ▷ **Power Supply:**
PoE+ 802.3 at, PoE 802.3af compatible
- ▷ **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:**
220×220×104 mm (8.6×8.6×4 in) without antennas
- ▷ **Compliance:**
FCC, CE
- ▷ **Built-in GNSS Receiver**
For determining Scout location

Optional Upgrades

Enhance the capabilities of your Scout with custom add-ons tailored to your specific needs.

- ▶ **4G Modem with SIM Card and LTE Antenna**
Enable online cloud transmission for real-time data monitoring and integration. Works with either a built-in or custom SIM card.
- ▶ **Sector / Directional Antennas**
Boost performance in environments with significant electromagnetic interference, such as airports or cities, or extend the detection with up to four antennas for 360° coverage.
- ▶ **Older DJI Drones without Remote ID**
Enhance the drone detection portfolio with older DJI models by adding additional sensors to detect DJI Mini 2, Air 2, Mavic 2, Phantom 4 Pro.
- ▶ **Customized Mounting Kits**
Tailor the mounting setup to your specific installation requirements, including unique environments or infrastructure.
- ▶ **On-Premise Deployment**
Operate independently of cloud infrastructure with on-premise solution for secure data access.
- ▶ **ADS-B, ADS-L and FLARM Support**
Extend detection capabilities to include additional aviation technologies for full airspace awareness.

What is Included?

1x Dronetag Scout

1x 2.4 GHz high-gain antenna

1x Combined 2.4 + 5 GHz antenna

1x Pole mounting kit (∅ 45-110 mm/1.6-4.3 in)

1x PoE injector 48 V, input 100-240 V

Why Choose Dronetag Scout?

Dronetag is a global leader in airspace coordination, trusted by hundreds of thousands of users worldwide. Unlike competitors who often use assembled off-the-shelf development kits, the Scout is custom-designed for maximum Remote ID reception performance. Beyond hardware, our software is entirely developed by Dronetag, delivering unmatched flexibility and seamless integration into any existing UTM, C-UAS, or 3rd party systems. Thanks to our deep RF expertise, Dronetag Scout achieves the longest Remote ID detection ranges on the market, making it the top choice for airspace monitoring and critical infrastructure protection.

Contact us at sales@dronetag.com
to learn how Scout can protect
your airspace.

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