HERON

AirBridge

Remote ID & Tracking Solutions

AirBridge Remote ID & Tracking solutions help operators comply with regulations. Our Remote ID tracker is compatible with both broadcast and network requirements for all drones, along with access to AirBridge drone mission & traffic management platform for mission planning, asset management and UTM integration.

Why AirBridge

Secure
Developed and operated in accordance with ISO27001 standard to protect sensitive data and provide reliable services

Flexible
Customisable to meet current and future regulatory and operational needs through an open modular architecture

Efficient
Supports freespace trajectory based routing and scheduling for more efficient flight operations and airspace optimisation

Key Features

Real-Time Tracking

The tracker's live position data allows operators to safely perform their operations along other aircraft. The accuracy of the GNSS position provided via 4G network and Wi-Fi broadcast ensures authorities of a precise location to mitigate risks of air collision.

Broadcast and Network Remote ID

Allows to broadcast drone identity and position to the authorities and general public using 4G or Wi-Fi technologies.

Minimal Impact on Drones

Tracker is lightweight, small size, easy to install and has long battery life.

Enable Flight Authorisation

Offers drone operators a better chance of getting flight authorisation (SORA, PDRA, etc.) as it provides them with precise airworthiness assessment for the use of both operators and authorities. One can also use the Remote ID tracker for drone fleet management, to locate the drone, or to plan flights.

Compliance

International standards:
- ASTM Remote ID Std F3411-19
- ASD-STAN 4709-002
- CE & FCC

International regulations:
- EC Delegated Regulation (EU) **2019/945**
- EC U-Space Regulation (EU) **2021/664**
- FAA Final Rule for Remote ID of UAV

Technical Specifications

- Frequency band:
  - Europe B1, B3, B7, B8
  - North America B2, B4, B5, B12
- GPS chip accuracy:
  - 5m horizontally
  - 15m vertically
- Battery: 900mAh/3.7V Lithium polymer battery
  - 3h 30min with 1s position update

- Refresh time: down to 1s
- Latency: <2s
- SIM card: Nano type
- Dimensions: 61 x 45 x 19mm
- Weight: 47g
- Charge: USB-C dock station
- LED Light Indicators: GNSS / GSM / Power
- IP67 environment protection

+65 6805 8174   enquiry@heron-technology.com