Drone and Drone Pilot Detection/Defense









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Agenda:



- Who We Are
- Differentiators
- Mitigating Drones
- Why Organizations Buy Drone/Pilot Detection
- AirGuard Live Demo
- Technical Details
- WebEOC Integration
- Facility Requirements
- Juvare Resources
- Questions



Who Is AirSight:



AirSight is a leading global drone detection security company specializing in delivering real-time, and historical, actionable

Drone, and Drone Pilot, Detection/Defense Solutions.

Customers Verticals:

Petroleum/Chemical Plants





















- Ship Building Facilities Impalls Shipbuilding
- Shipping Ports







- Healthcare / Airports
- Professional Sports









- Universities & Stadiums
- Law Enforcement



- VIP Properties
- Fortune 500



Cities and Counties



Pharmaceutical





Aerospace Firms



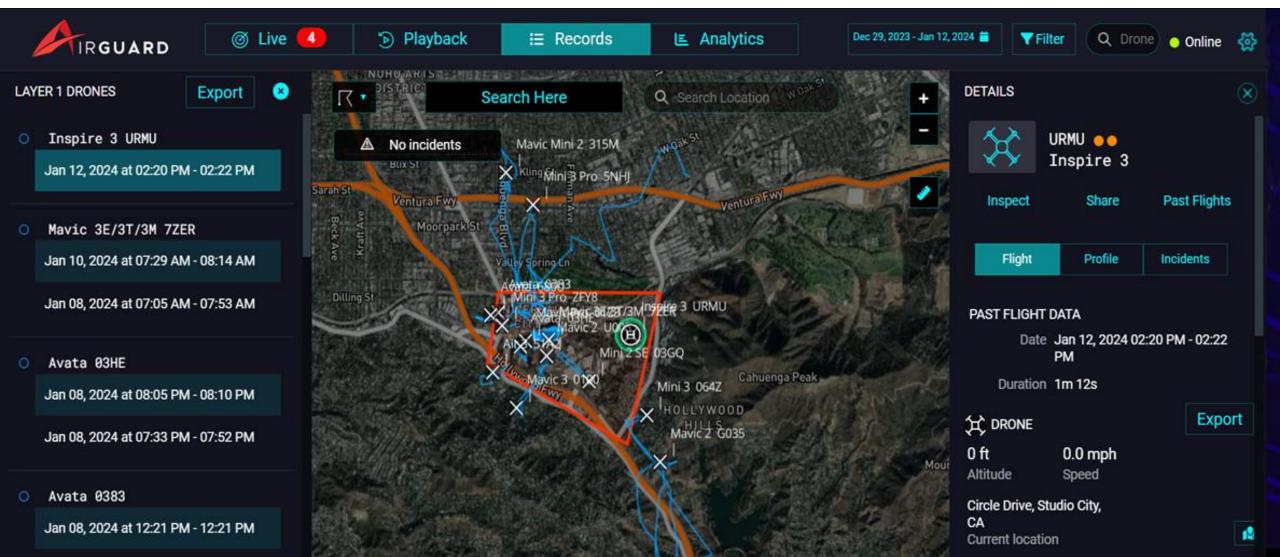
Data Centers



AirSight Differentiators:

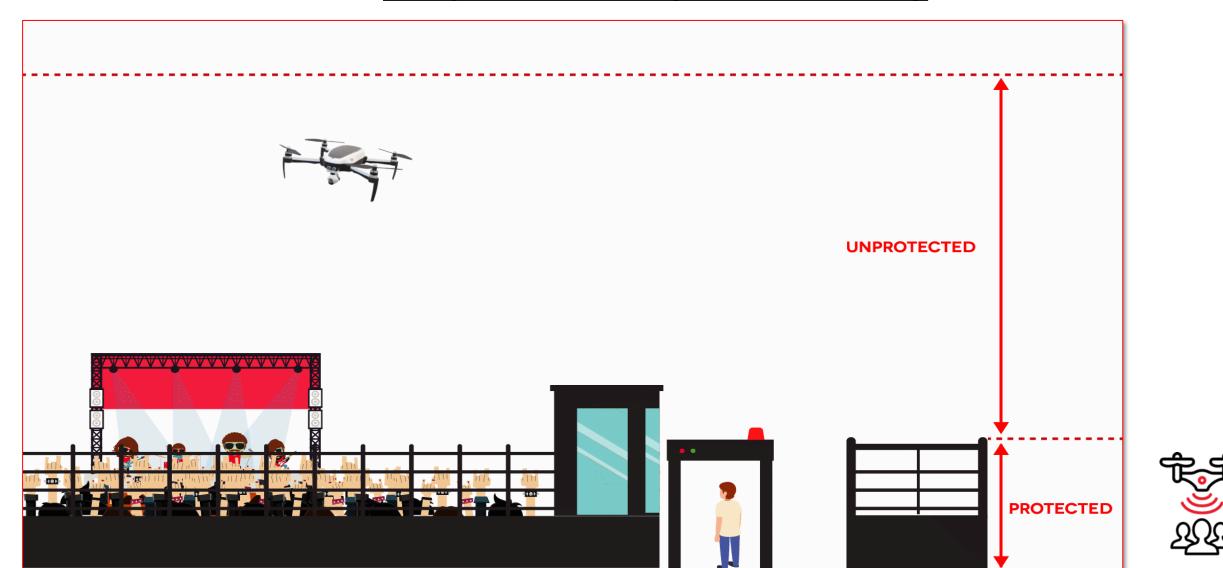
- Focus is Find Pilot
- AirGuard Software-as-a-Service Model
- Integrated into WebEOC Early 2025

- Hardware Agnostic
- 4 Options of Protection



Current Physical Security Space Problem:

Any facility with traditional ground security... currently has an <u>airspace security vulnerability</u>.







Is it Legal to Mitigate a Drone in Flight?

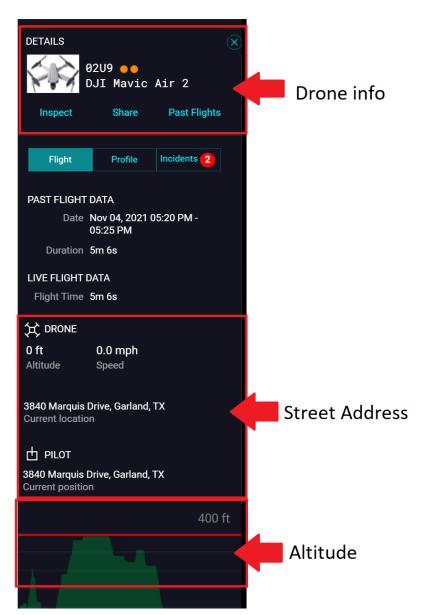


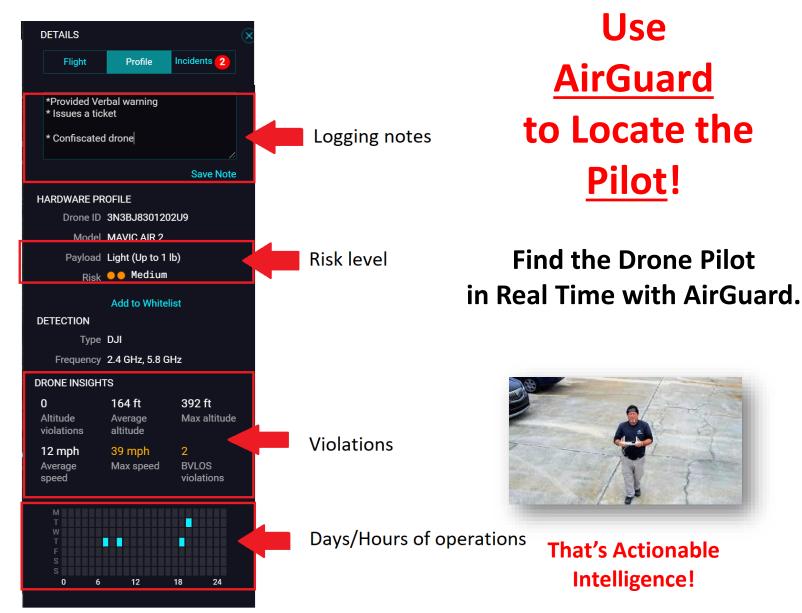
The Only Agencies Authorized to Mitigate a Drone in Flight in the US/Canada:

- DOJ / Homeland Security / FBI / DoD
 - Canadian Military / RCMP



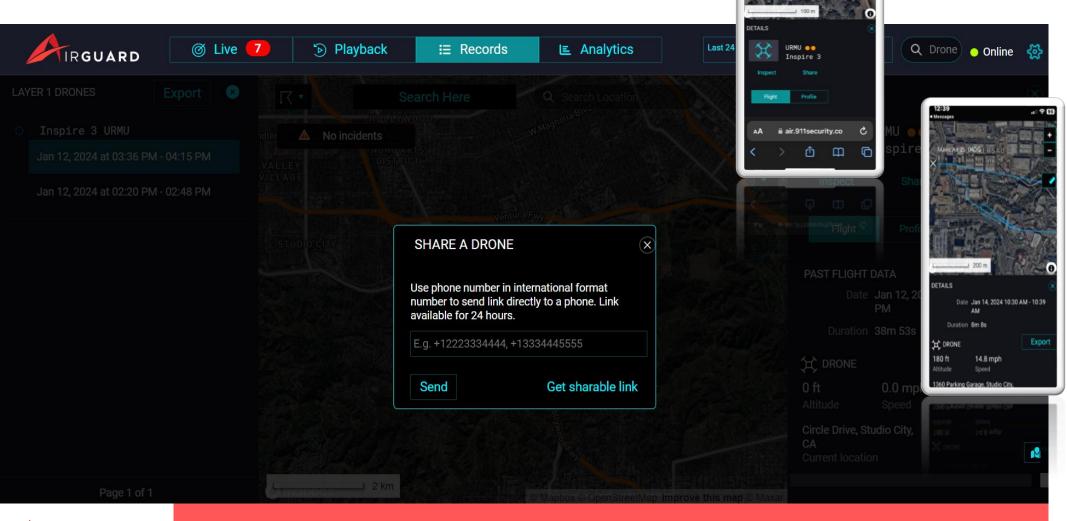
So, What CAN You Do if a Drone is in your Airspace?





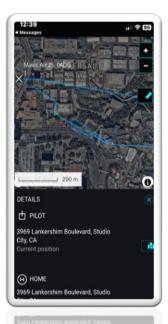
Quickly Share Live Pilot Location with Law Enforcement / Security Team

Drone Make/Model & Flight Path



Date/Time /Speed/Altitude

Pilot & Home Location & more



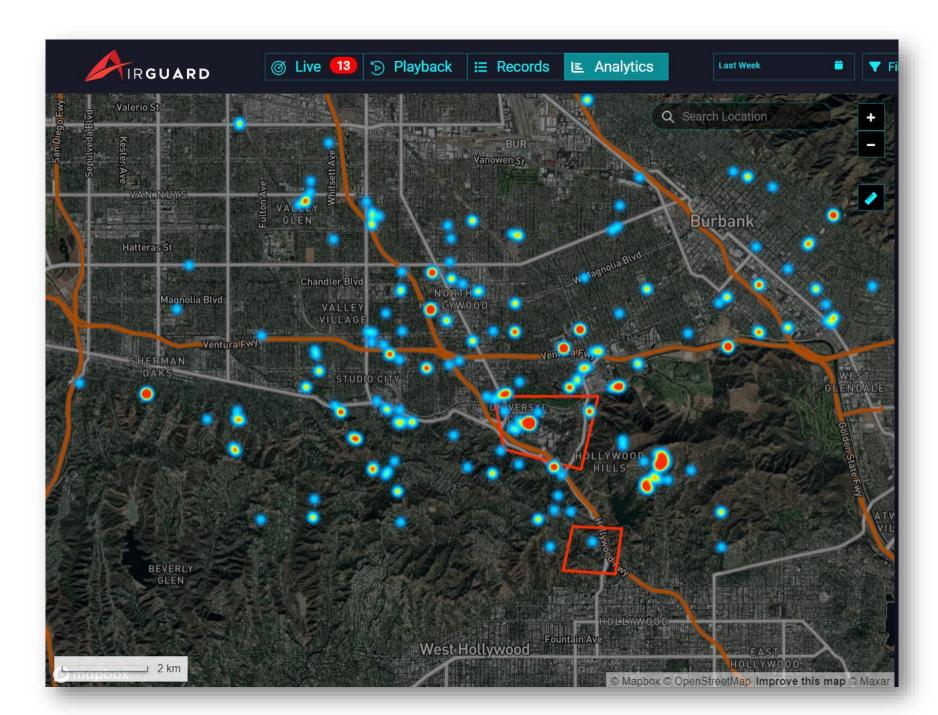
Quickly Share Live Pilot Location with Law Enforcement / Security Team



Heat Map Analytics

Provides Details on Where Drones and Pilots Most Frequently Take Off/Land Around Your Perimeter.

That's Actionable Intelligence!





Limit Their Liability

Protect People, Assets, Infrastructure & Brand Reputation



#1 Reason Why Drone/Drone Pilot Detection:

Limit Liability

Protect People, Assets, Infrastructure & Brand

Organizations with Drone/Drone Pilot Detection When/If an Incident Occurred.

- ✓ Have Drone ID.
- ✓ Have Drone Pilot Launch Location/Address
- ✓ Have Drone Flight Path, Altitude, Speed, Date, Time & More.
- ✓ Have Historical Drone/Drone Pilot Flight Data & Locations
- Have the Ability to Locate the Drone Pilot

Result: Limited Liability





Organizations without

Drone/Drone Pilot Detection

When/If an Incident Occurred.

- ✓ Have Physical Drone Potentially
- ✓ Have Verbal Stories of the Drone

Result: High Liability

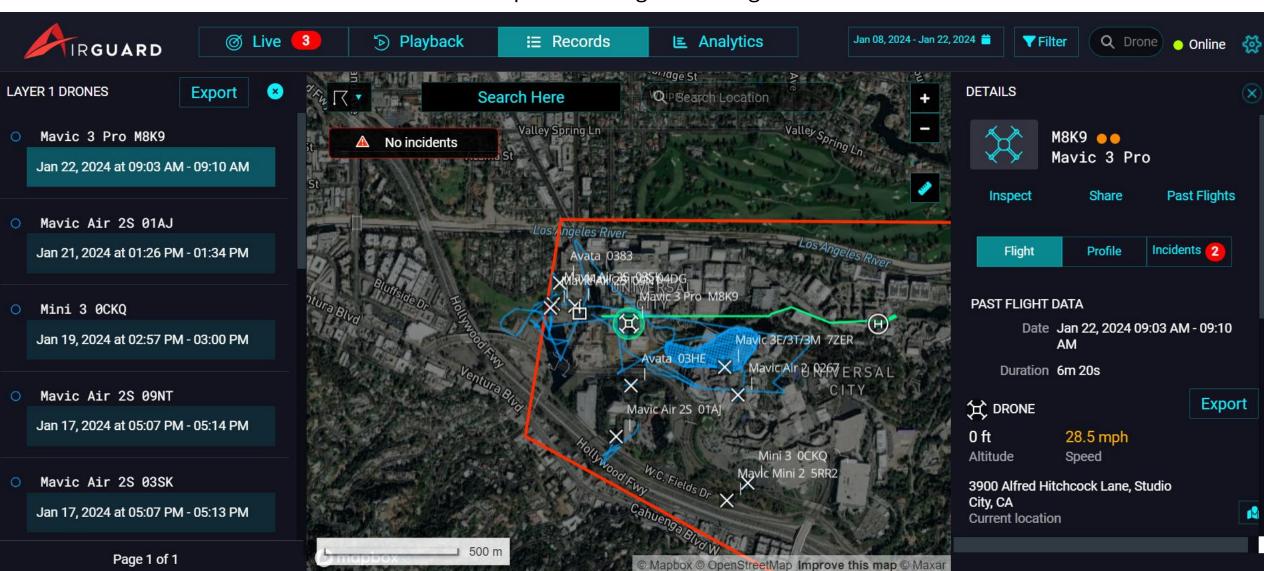








https://air.airsight.com/login















AirSight Sensor's Capture the Radio Frequency Data and Import into AirGuard





How Drones and Pilots are Detected



Remote ID:

As of Sept. 2023, mandated by FAA to be broadcast by any Drone over 250g. Provides Drone ID, Altitude, Pilot Location, Controller Location and Flight Path and more.

AeroScope Signal:

DJI proprietary signal broadcast by DJI.
Provides Drone ID, Altitude, Pilot Location,
Controller Location and Flight Path for DJI
Drones only (pre Sept. 2023). DJI
discontinued summer of 2023.

Frequency and Channel signatures:

Unique to each make and model of Drone. Can be seen by RF sensors to determine that a Drone is in the area.











All DJI Drones

All Drones Broadcasting Remote ID

Non-DJI drones or drones NOT broadcasting REMOTE ID

Dark drones, home-made drones, ghost drones, RF modified drones or drones flying Non-RF signal like 5G









75% +

15%

8%

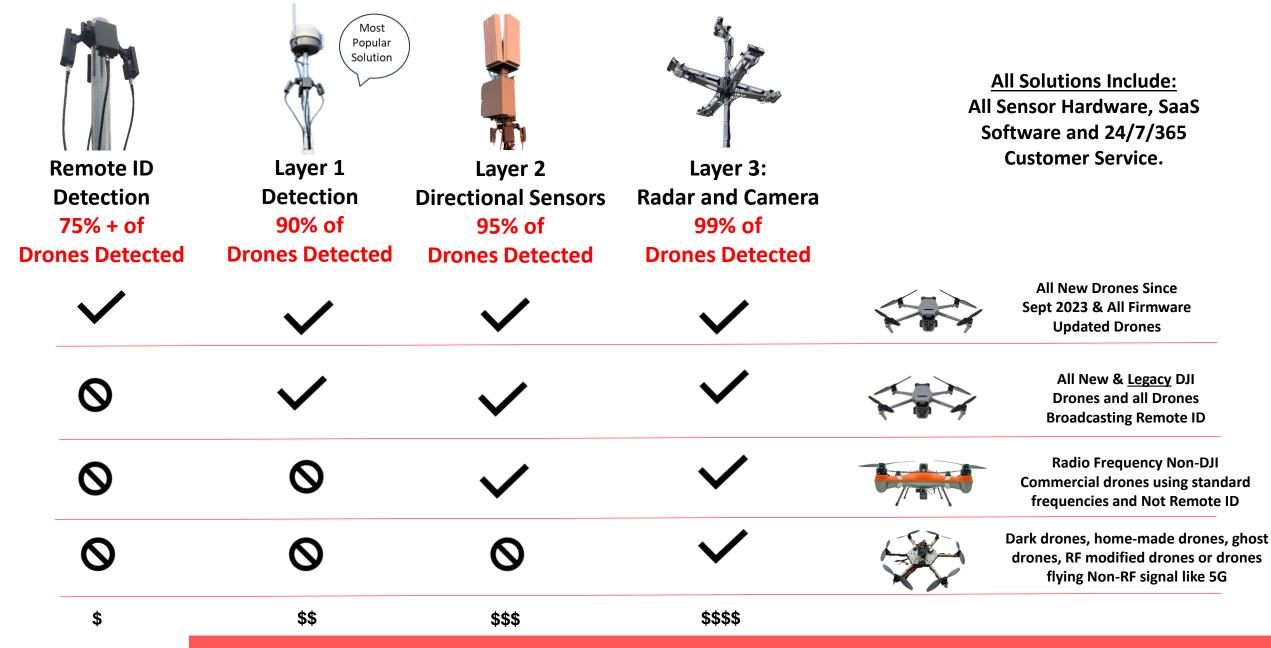
2%

Rough percentage of drone space today.

They are all growing exponentially YoY.



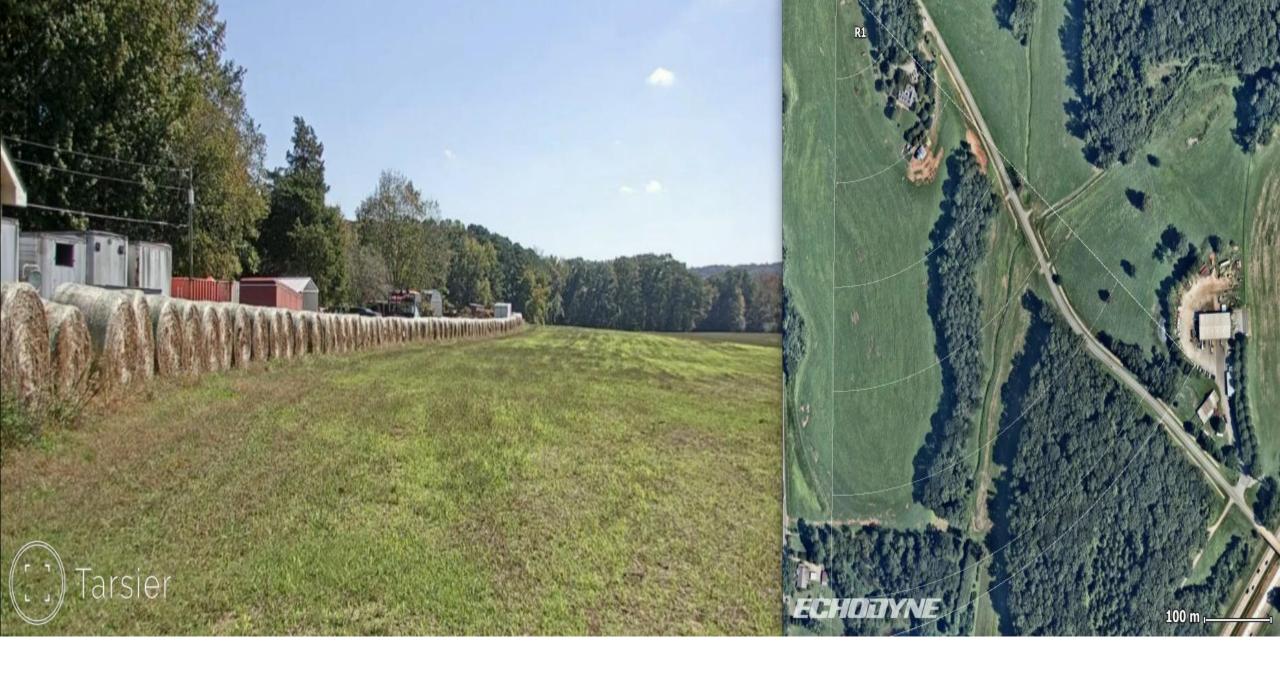


















Integration



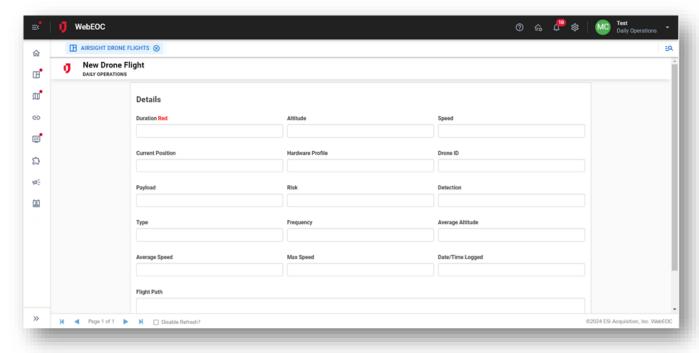




AirSight/WebEOC Integration



The WebEOC integration consists of new board called "AirSight Drone Flights".

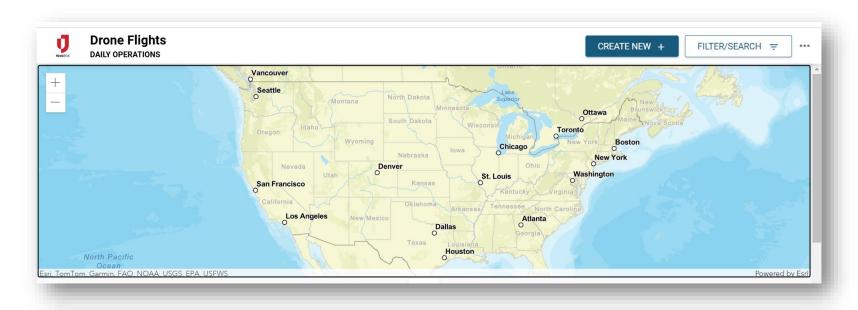


- Key data will fill the "AirSight Drone Flights" board in near real-time, for a unified view of drone activity.
- Alerts can be created from within WebEOC.
- WebEOC customers have access to the AirGuard portal for a deeper dive into the data.



AirSight/WebEOC Integration



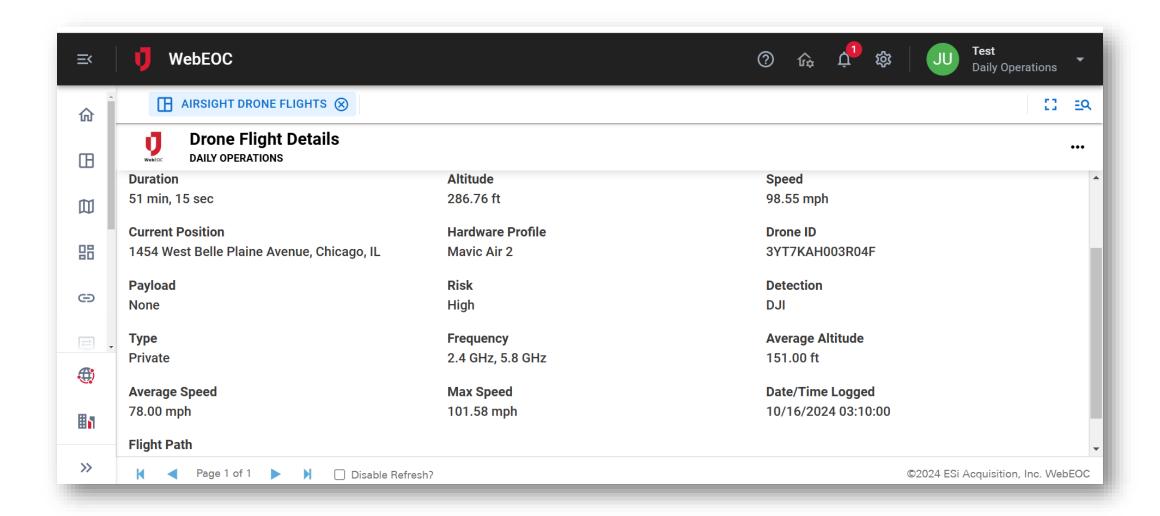


Drone Flights DAILY OPERATIONS					CREATE NEW + FILTER/SEARCH				•••
					▼				
Date/Time Logged	Duration \$	Altitude 🌲	Speed \$	Model \$	Hardware Profile \$	Drone ID 	Payload \$	Risk	
10/16/2024 03:10:00	51 min, 15 sec	286.76 ft	98.55 mph		Mavic Air 2	3YT7KAH003R04F	None	High	•••
10/15/2024 21:55:00	24 min, 13 sec	235.14 ft	34.55 mph		Inspire 1	F6XFA27A5MK7EGY9	3 lbs	Moderate	•••
10/14/2024 20:20:00	9 min, 15 sec	57.00 ft	38.32 mph		Avata 2	F4XFA22A5ML7EGC0	6 lbs	Moderate	•••
10/14/2024 14:40:00	35 min, 03 sec	121.40 ft	49.67 mph		Mavic Air 2S	11VKGCL002015D	None	Low	•••
10/14/2024 05:50:00	8 min, 55 sec	54.22 ft	78.00 mph		Alturia Sentry	1581FZfdpid012402000	21 lbs	High	•••
10/17/2024 17:00:00	21 min, 02 sec	90.30 ft	65.15 mph		Mini 4 Pro	F6Z9A242MML3EE0P	None	Low	•••
10/16/2024 12:40:00	14 min, 04 sec	68.43 ft	36.56 mph		QComm Gold	1581F3923sPcmQ1050	17 lbs	Low	•••
10/15/2024 21:50:00	5 min, 36 sec	43.33 ft	61.04 mph		DJI Mini 3	1581F395ikjslc1752000	9 lbs	Moderate	•••



AirSight/WebEOC Integration









Facility Requirements:

- 110v/220v Power Outlet Connection At Mount Location
- Internet Connection.... 5G or Ethernet Connection
- Rooftop/High Elevation Access
- Roughly 4 Hour Install Window
- That's it!







International Locations:

• AirSight's Platform Includes <u>Drone Jamming/Mitigation</u> for <u>International Locations Only</u>.



More Information?







Questions?





Thank you!



