

Extending Security to the Airspace



Top Drones



852

8.7

Days with Alerts

Max Alerts per Day



Counter UAS Airspace Protection

A Leader in Drone Detection and Airspace Security

- Detect, Analyze and Mitigate sUAS Threats
- Scalable and Enterprise-Ready
- Cloud-Based AI/ML Engine
- Smart City Infrastructure / UTM
- Mobile Edge Computing

400+
Installations
Globally

175%

Large Addressable Markets



Military

Critical



Correctional Facilities



Airports













Drones: Nearly Zero Barrier to Entry

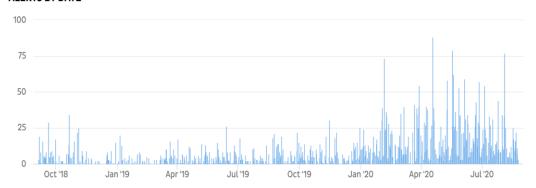


How many unwanted drones are in your airspace?

Data is the foundation to solving this asymmetric threat



ALERTS BY DATE



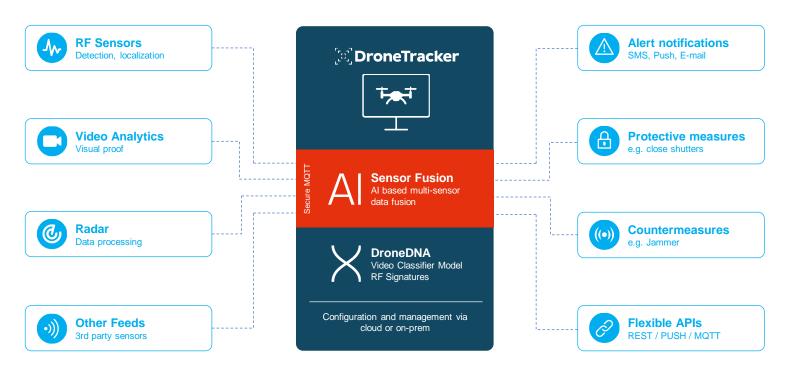
ALERTS BY HOUR AND DAY OF WEEK

Monday	2	5	4	1	1	3	8	11	6	22	36	25	33	21	53	65	46	44	78	51	46	11	13	2
Tuesday	3	8	6	6	0	0	1	6	67	35	17	62	46	27	19	19	55	126	70	44	27	7	5	11
Wednesday	3	4	1	3	5	5	17	11	31	27	30	39	38	36	58	70	45	92	53	50	37	26	22	2
Thursday	7	5	0	8	5	3	2	17	6	13	17	50	74	53		44	60	61	92	79	65	13	10	31
Friday	6	5	4	2	2	4	7	5	15	54	48	61	43	41	43	56	77	117	119	52	64	17	14	6
Saturday	12	1	5	6	1	2	8	19	23	41	54	48	53	61	80	137		72	77	63	44	25	20	7
Sunday	5	8	2	2	4	2	7	4	17	22	43	89	95	48	101	117	75	109	117	68	38	16	6	1
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23



DroneDNA and Al-Based Sensor Fusion

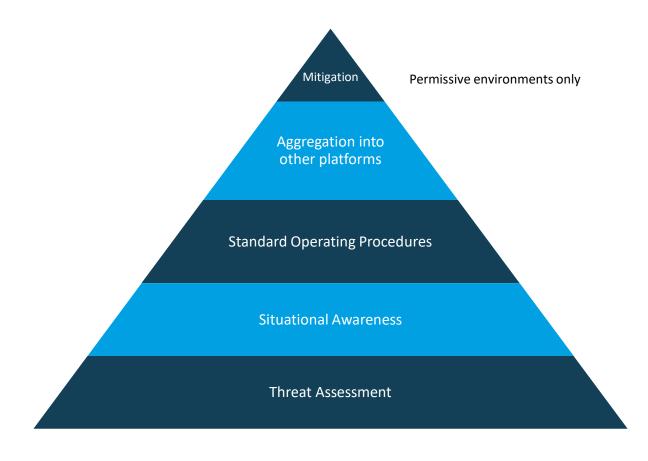






Phased Approach to Airspace Security





Phased Approach to Airspace Security

Threat
Assessment

Situational Awareness

Countermeasures

Threat Assessment

RF-160

- Fast, easy and inexpensive way to start discovering drone activity using one sensor
- Early-warning
- Provides meaningful data for risk assessments
- Fast installation and start-up thanks to integrated LTE
- Completely passive







SCREENCAST

Small deployment



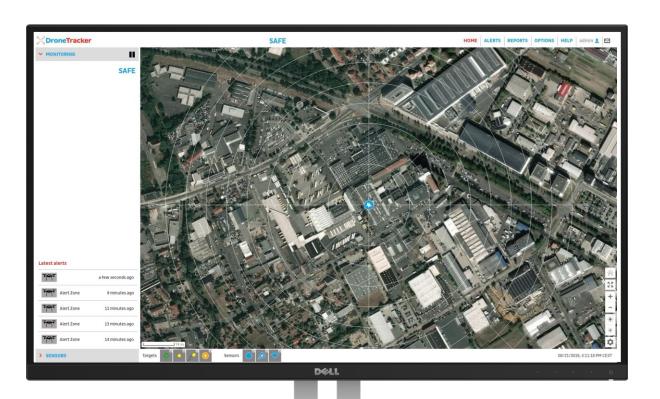
1 RF-160



1 Drone detected

Click display to start video (Video: Double speed)



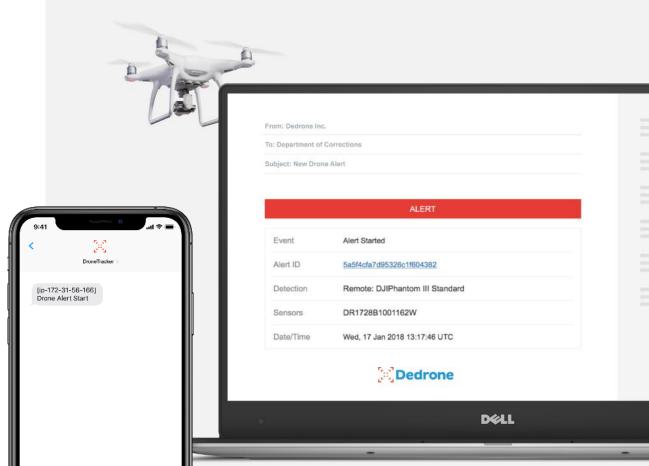




Early Warning Alerts

Alert sent via SMS or email as soon as remote or drone are detected

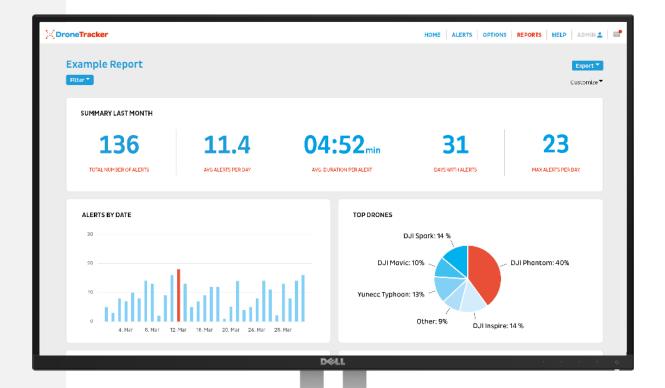
- Gives security teams extra time to react
- Keeps groups informed as required
- Additional notifications available through API



Airspace Analytics Drive Security Decisions

- Extent of drone activity in the vicinity
- Type of drones
- Suspicious patterns
- Time of day
- Anything at night is a threat
- Did an event happen?





Phased Approach to Airspace Security

1

Threat Assessment 2

Situational Awareness 3

Countermeasures

Situational Awareness

RF-300

- Localizes and tracks drones using multiple sensors
- Automatically tracks and plots flight and pilot position on map
- Provides information on "hotspots" of drone activity
- Completely passive
- Supplements RF-160 sensor







SCREENCAST

Small deployment



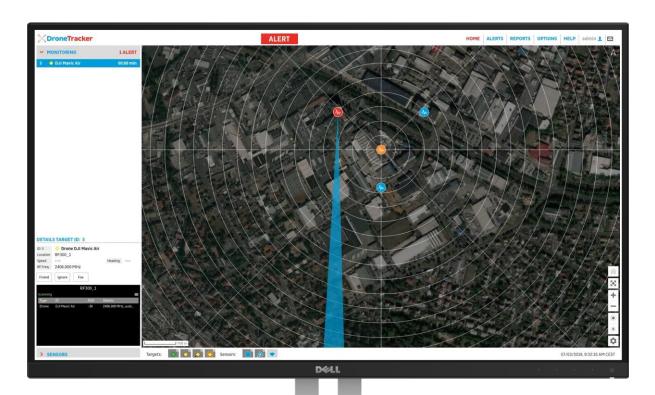
3x RF-300 / 1x RF-160



1 Drone detected

Click display to start video (Video: Double speed)

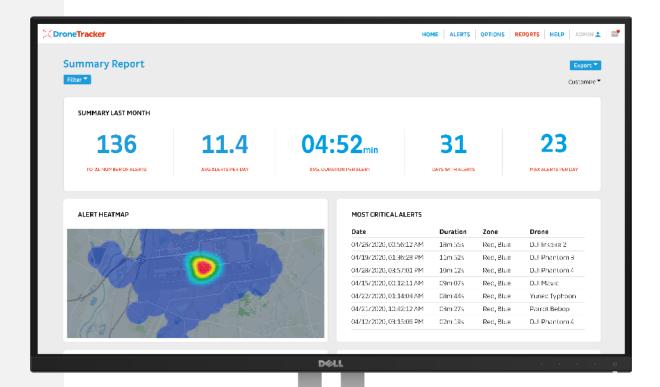




In-Depth Tools Uncover High-Risk Areas

- Understand patterns in drone activity
- Quickly uncover concerning airspace activity
- Stay up-to-date with critical information





Multi-Sensor Fusion for Complex Threats

Extended Awareness

PTZ Cameras

- Optical verification
- Localization of drones
- Detection of autonomous drones
- Visual auto-tracking
- Payload identification
- Recording of forensic evidence
- Complement of RF sensors



Extended Awareness

Radar

- Detection of autonomous drones
- Simultaneous detection of multiple drones
- Independent of light and weather conditions
- Localization including determination of the altitude
- Complement of RF sensors

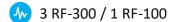




Drone Detection with Radar and PTZ camera

SCREENCAST

Extended deployment



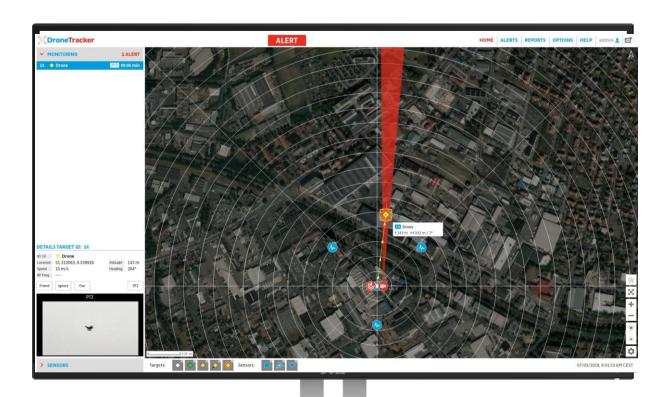


1 PTZ camera

1 Drone detected

Click display to start video





Phased Approach to Airspace Security

1

Threat Assessment 2

Situational Awareness 3

Countermeasures

Countermeasures

Defensive Measures

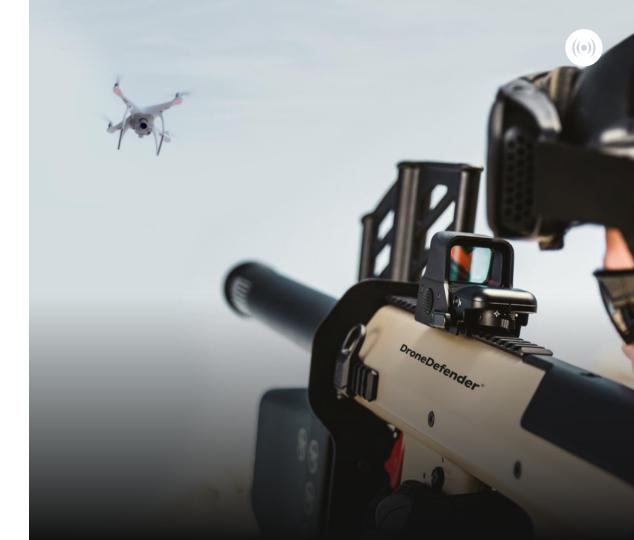
- Track drone in real-time
- Trace flight back to pilot
- Inform security staff
- Block view, lock down areas
- Record video evidence



Countermeasures

DroneDefender

- Multifrequency disruption to block remote control communication and neutralize drones. No remote action, including detonation, can occur.
- Satellite signal disruption to disable use of automated navigation
- Mobile and fixed installations
- Range up to 400 meters



How can I start protecting my airspace?

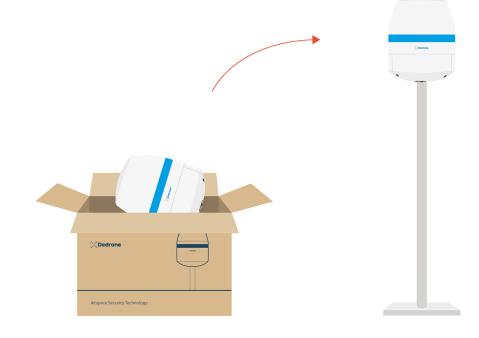
1. Start with Threat Assessment

- 10 MIN
- Easier than building an IKEA shelf
- Only one person needed
- No Dedrone engineer required on site

Out of the box solution

- Place the RF Sensor on a pole. We'll support you with a manual, video tutorial and are available via phone or video chat.
- All you'll need is a power supply no further technical knowledge is needed.

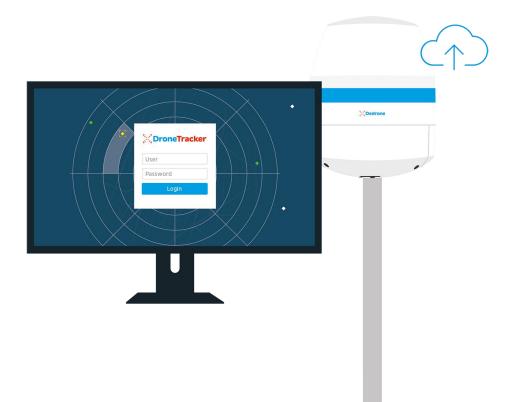




2. Browser-Based Software

- +5 MIN
- Login to DroneTracker with your credentials that we have sent you by email.
- The RF Sensor connects automatically.
- You can access DroneTracker on your desktop or via mobile interface.





3. Get Drone Alerts and Insights



- You'll get drone alerts immediately in your preferred channels - via web, email, mobile or API.
- All drone intrusions and corresponding data are saved and analyzed automatically.





[::] Dedrone®

Congrats. You are safe now.



Questions to consider

Are you prepared for the emergence of drones?

• What is your strategy to defend your critical assets against drones?

Can you really afford to do nothing?



Thank you

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