

INSTALL QUICKLY AND EASILY

Assess Your Drone Risk



5 km
range*



Dedrone RF-160

Start your airspace surveillance immediately with Dedrone's new radio frequency sensor, the RF-160, connected to browser-based DroneTracker software.

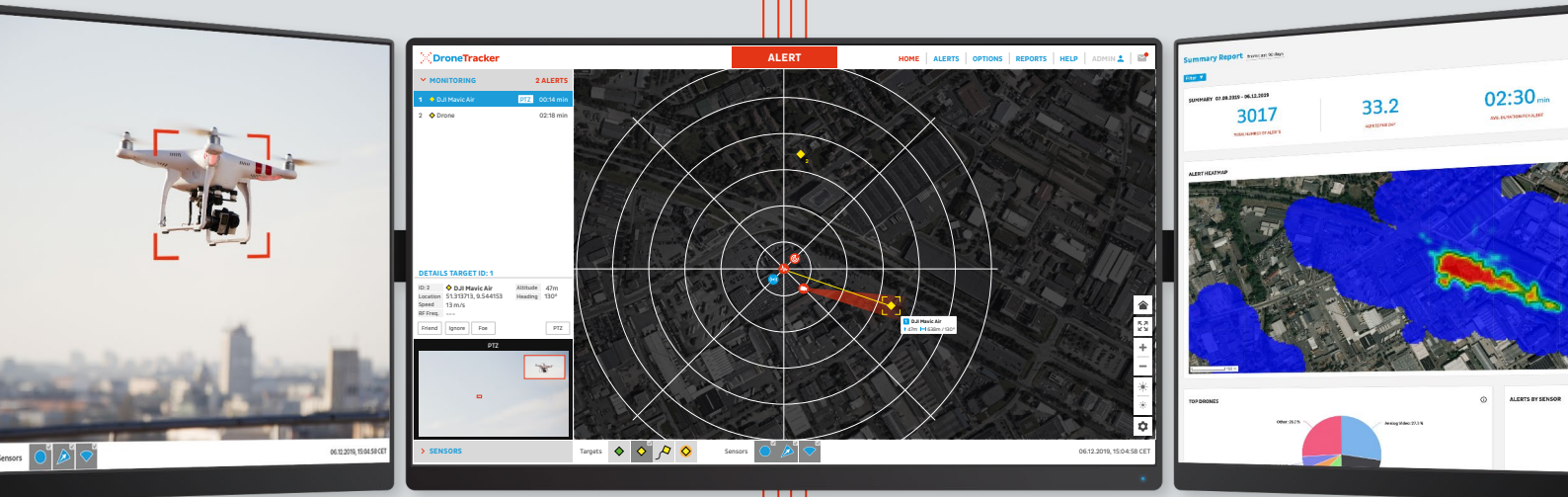
The Dedrone RF-160 provides:

- Comprehensive detection and analysis of drone activity and incidents in monitored airspace
- Straightforward, simple installation and fast startup thanks to integrated LTE
- Opportunity for sensor expansion to increase detection area footprint or data with Dedrone RF-300 sensors, PTZ cameras, and radar systems

Contact us anytime for complimentary advice from our airspace security experts: info@dedrone.com

Effective Drone Defense

Integrates All Sensors
and Countermeasures



RF SENSORS



PTZ CAMERAS



RADARS



EFFECTORS

Our Response to Drone Threats



1.
DETECT

DroneTracker is built on Dedrone's leading DroneDNA database. Automatically updated, it enables to detect the latest drone threats immediately and reliably.



2.
TRACK

Localization technology pinpoints the locations of drones, plotting them on an integrated map, enabling users to find the source of drone-based threats.



3.
IDENTIFY

Classifications include "friend" for sUAS that are recognized, "foe" for any unwanted sUAS, and "ignore" to shut off any alerts that may not need investigation.



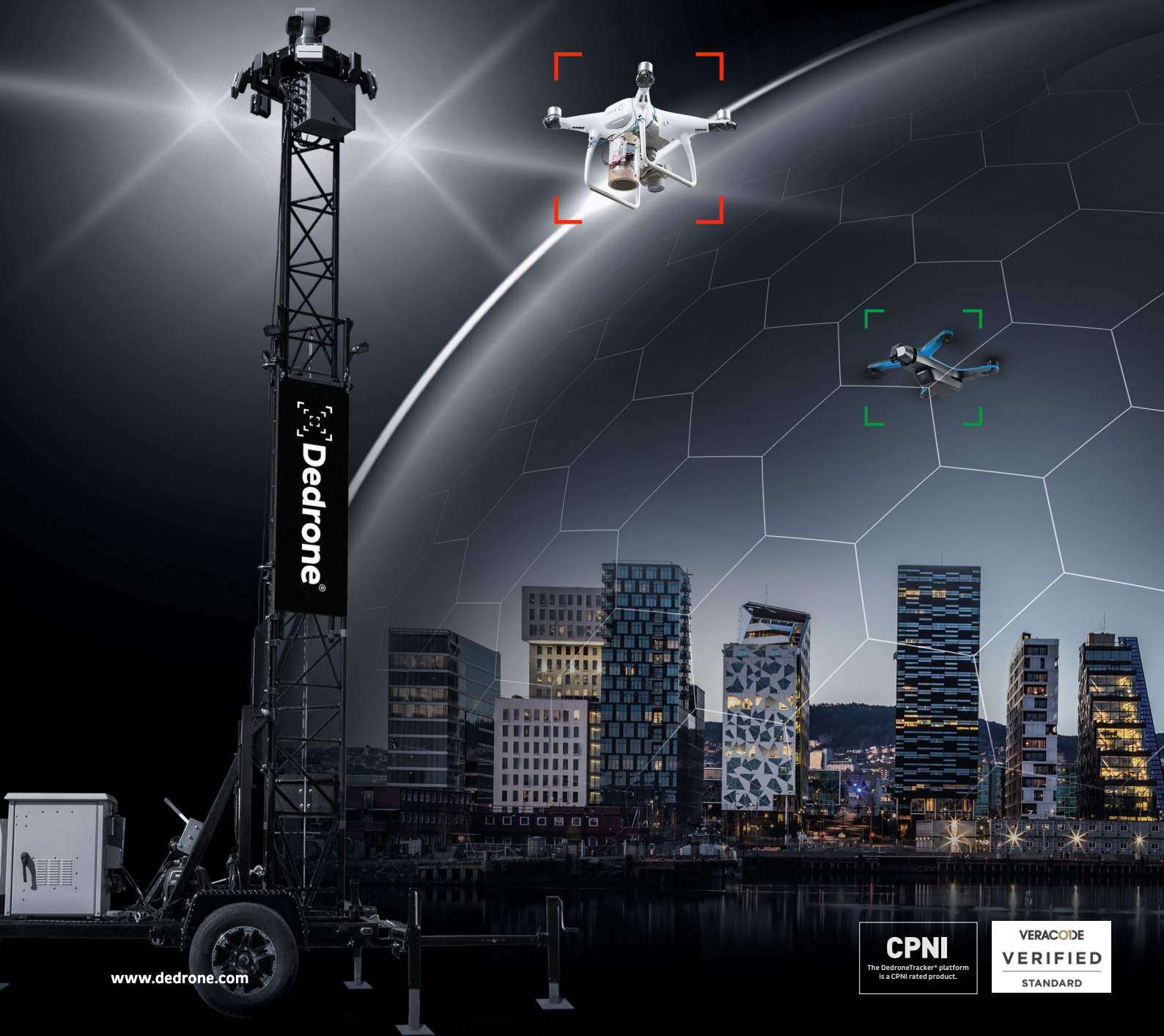
4.
DEFEAT

Countermeasures enable timely decision making and direct responses for protecting military forces, critical assets, borders, and civilians worldwide.

FOR LAW ENFORCEMENT

DedroneRapidResponse

Mobile Drone Detection Unit → Identify → Locate → Mitigate



Gain Complete Control of your Airspace

Law enforcement officers across the country are now exposed to an ever-increasing threat from the sky. Drones are easier to fly, cheaper to buy, and capable of carrying heavier payloads. Dedrone's Airspace Security-as-a-Service provides a complete counter-sUAS platform, enabling law enforcement agencies to detect, identify, locate and mitigate drone threats.

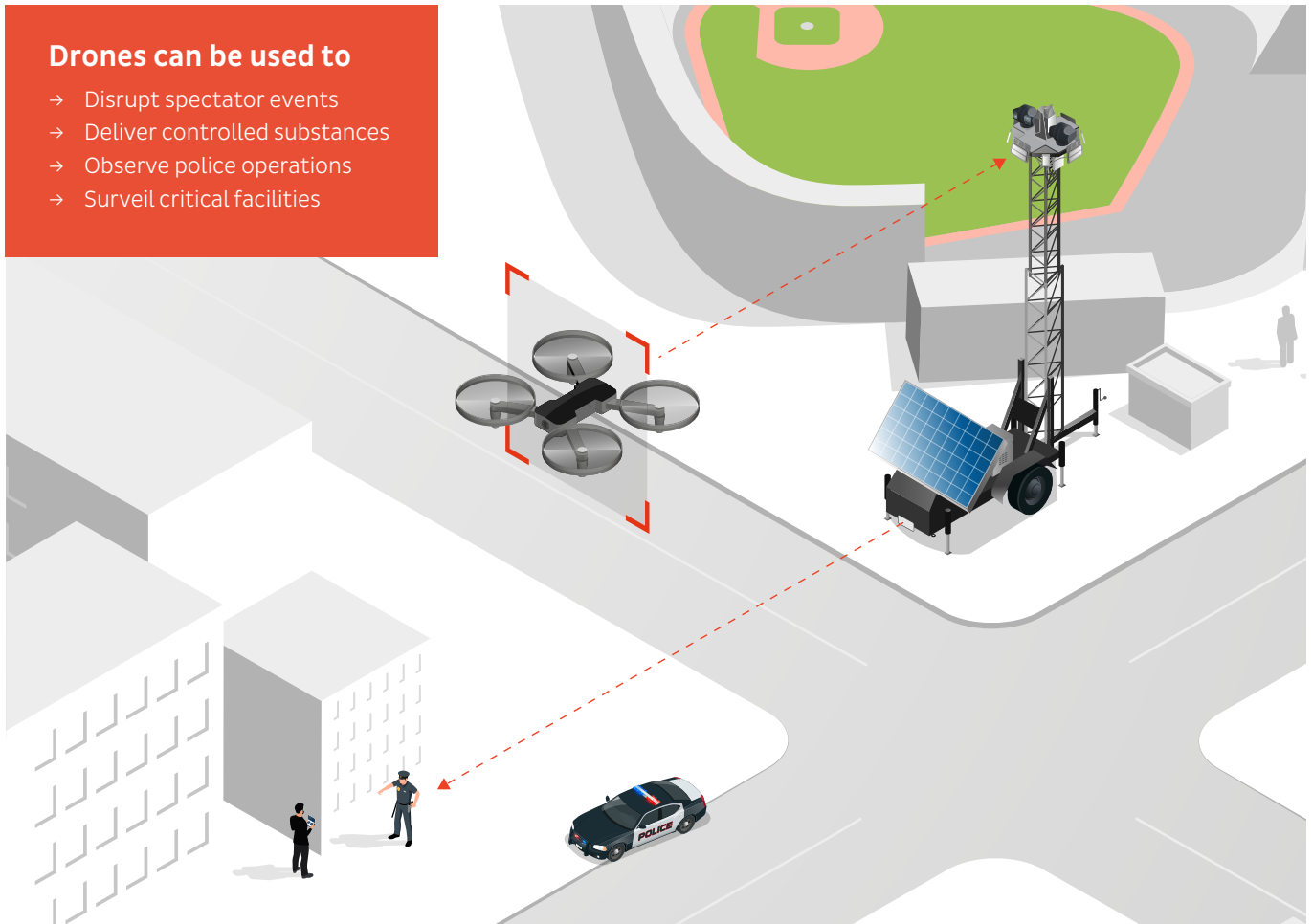


Dedrone was the ideal partner to help us provide an 'eye in the sky' and protect against illegal drones in the no-fly zone. We are proud to be the first police department in the US to deploy such sophisticated technology, as part of our larger commitment to ensuring that our entire community remains safe and secure.

— CHIEF ANTHONY HOLLOWAY,
ST. PETERSBURG POLICE DEPARTMENT

Drones can be used to

- Disrupt spectator events
- Deliver controlled substances
- Observe police operations
- Surveil critical facilities



An MLB game was delayed by an unauthorized drone

— WASHINGTON POST



How gangs are using drones to disrupt law enforcement

— POLICE1



Florida man faces a year in prison for flying a drone during Super Bowl week

— MIAMI HERALD

Dedrone RapidResponse

Mobile Drone Detection Unit



SPECIFICATIONS



Set-up in less than 20 min



Multi-sensor set-up can include RF, Radar, Cameras and more



Detects over 200 drone types



Folded L x H x W: 16.4' x 9' x 5.75'
Upright L x H x W: 17.2' x up to 50' x 11.8'



Power: self-contained solar or generator



LTE enabled



As former Chief of Operations of FBI's Counter UAS Unit, and Chief Security Officer for Preakness Stakes, I knew Dedrone was the ideal airspace security partner to provide detection, analytics and protection for our event. Dedrone allowed our team to focus on executing the safe, stellar race day operations that 1/ST is known for.

— **Rob D'Amico,**
Former Chief of Operations of FBI's Counter UAS Unit,
and Chief Security Officer for 1/ST



The White House complex has its own technology to mitigate drone threats, but it was always an issue. When the president or vice president were outside on the grounds, we were very cognizant of drones. It's your basic domestic terrorist threat, so the technology is really worth its weight in gold.

— **Billy Davis,**
Special Agent in Charge,
U.S. Secret Service Vice Presidential Protective Division

Four G7 Nations Rely on Dedrone

Dedrone has participated in multiple government sponsored rapid prototyping and testing events, including the DoD's Black Dart, the Asymmetric Warfare Group's DiDex, DHS's TACTIC, USMC's ANTX, the U.S. Air Force's FCE, and USSOCOM's ThunderDrone.

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FOR MILITARY AND GOVERNMENTS

DedronePortable

→ Enhanced Locator



DedronePortable

“ We have been working closely with the Dedrone team and have reverse engineered the RF signature of the Russian Orlan-10 drones. We are now setting-up a network of sensors to further up-level our capabilities in the conflict zone. Dedrone has been a great, agile partner to work with real time.

– REPRESENTATIVE OF UKRAINIAN MILITARY FORCES ON THE EASTERN UKRAINE FRONT LINE - FIRST NAME VOLODYMYR

Most Capable System on the Market

Dedrone has the most extensive library with ability to detect and mitigate over 200 different drone types from 65 manufacturers including DJI and Orlan, as well as many homemade drones. Sample chart below.



Drone Type	Detection Range	Location Direction Finding/Omni/GPS	Mitigate with Dedrone Gun
Orlan	15 km	Omni-Detection ¹	900 - 940 MHz jam / GNSS jam
DJI	3-5 km	Precise GPS location (Same as Aeroscope)	2.4 GHz jam / 5.8 GHz jam
Military and Homemade RC Controllers (eg: MavLink, Sik Radio, DigiExtend, TBS Crossfire, Spectrum, FrSky, Graupner, etc.)	3-10 km	Omni-Detection ²	400- 450 and 900 - 940 MHz jam / GNSS jam
Other Commercial (eg: Autel, Parrot, Yuneec, etc.)	3-5 km	Precise GPS Location / DF ³	2.4 GHz jam / 5.8 GHz jam
Analog Video	0.5-1 km	Direction Finding	2.4 GHz jam / 5.8 GHz jam

¹ Precise geolocation with networked sensors

² Precise location / direction finding capability in active development (with UKR Defense Forces and otherwise)

³ Varies based on Drone OEM

All Components Included

Everything required to start detecting is included in the field kit enabling easy transport and set-up in less than 15 minutes.

Sensor Case

APPROX. 28 KG FILLED



RemoteCase

APPROX. 21 KG FILLED



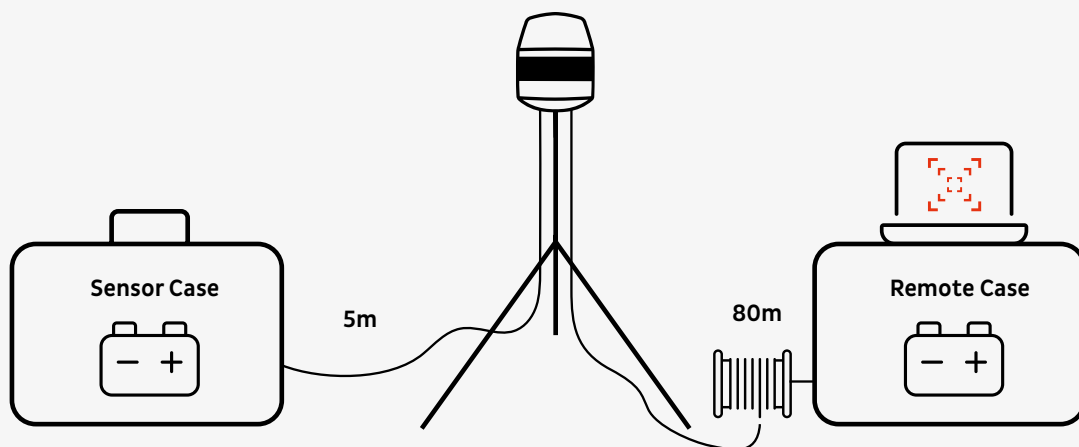
INCLUDING

- 1x Radio Frequency Sensor
- 1x Ruggedized Laptop with Dedrone User Interface
- 1x Laptop power supply and charger
- 1x Rechargeable power unit for sensor and laptop
- 1x Power cable (5 m)
- 1x Ethernet cable (5 m), environmentally sealed Ethernet crimp connector
- 1x Laminated field instructions

INCLUDING

- 1x Cable reel (80 m/260 ft)
- 1x Power unit for laptop
- 1x Laptop power supply and charger

PLUS 1X CARRY BAG WITH LIGHT MAST






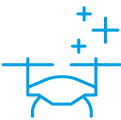


System Overview

End-to-End Defeat Capability



DedroneDNA
Detects over 200
drone types

Dedrone Key Capabilities

 <p>Set-up in less than 20 min</p>	 <p>Man portable</p>	 <p>Completely passive detection</p>
 <p>Spooing capable (ie: ability to simulate drones)</p>	 <p>Able to jam virtually all drones including 433 MHz, 915 MHz, 2.4 GHz, 5.8 GHz</p>	 <p>GPS/GLONASS/BeiDou/Galileo/SBAS/QZSS bands jamming</p>

DroneDefender Handheld

DroneDefender Handheld fits the profile for any government organization that needs to protect physical assets, people and information from sUAS attack and intelligence gathering.

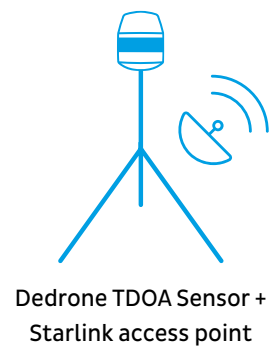
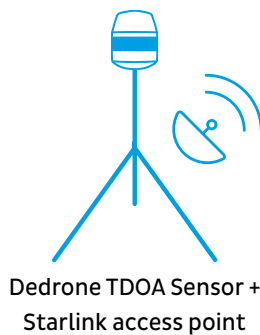
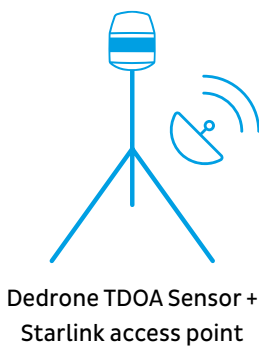
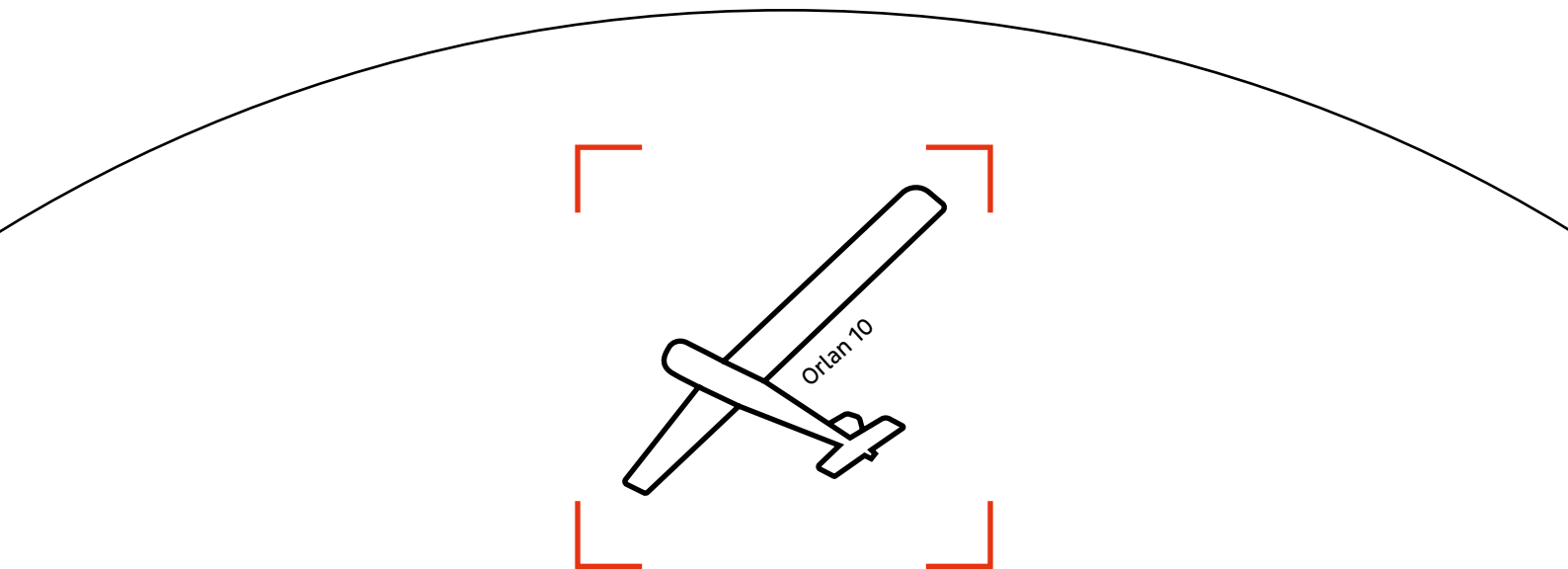
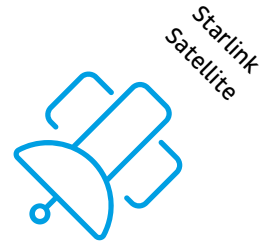


Specifications

Cold start time	< 0.1 seconds
Operating time	2 hours continuous operation
L x W x H	39.5" x 16" x 6.25" (1003mm x 406mm x 159mm)
Weight	15.8 lbs (7.2 kg)
GPS Disruption	Satellite signal disruption to disable use of automated navigation.
Remote Control Disruption	Multifrequency disruption to block control by the pilot
Effective cone angle	30°
Power supply	Battery powered (BB-2590)
Military standard	Rugged design
Operational environment	Built for outdoor use, fixed and portable solutions available
Storage case	Compatible with air freight shipping 50" x 22" x 10", 43 lbs (1270mm x 559mm x 254mm, 19.5kg)
Part Number	B-DD-200

Enhanced Location

Dedrone provides a precise geolocation capability against military, commercial, and homemade drones including Orlan-10. This capability is accomplished with four networked sensors using time difference of arrival (TDOA) and direction finding (DF) with crossed lines of bearing techniques.





DedroneTracker is the only system which provides passive RF detection and immediate alerts to the appropriate parties. Loss of this detection capability will adversely affect the installation's ability to defeat possibly hostile sUAS.

– U.S. Air Force Base

Trusted by

35+ / GOV'T AGENCIES 

35 / COUNTRIES WITH INSTALLATIONS 

9 / US FEDERAL AGENCIES 

75+ / CRITICAL INFRASTRUCTURE SITES 

4 / G7 NATIONS 

20+ / AIRPORTS INTERNATIONALLY 

Four G7 Nations Rely on Dedrone

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