

Discovery

A1000/2000/8000



The sensor employs a pioneering Deep Signal Inspection technology for passive long-range detection and early warning of drones. It receives information without transmitting or impacting the surrounding environment, and accurately detects, locates and classifies drones and their remote controllers (under good radio-frequency propagation conditions).



The system adopts an all-in-one design with high integrability, scalability, and adaptability. It can be integrated with other security systems and is suitable for long-term protection in areas such as airports, petrochemicals industry sites, critical infrastructure, correctional institutions, as well as large entertainment venues.

- Ultra-wideband support - 300 MHz ~ 6 GHz frequency band protocol analysis.
- Black & White List - able to add a drone into a black or white list with a single click. The white-listed drones do not trigger alarms.
- Easy installation and commissioning - the components can be quickly assembled through standard cables with minimal infrastructure construction.
- Scalability - a single sensor detects up to 8km, and the detection distance can be extended by deploying multiple sensors connected via an IP network.
- Compatibility - fully compatible with the C-UAS control center and sensors.
- Robust operation- minimally affected by weather condition.
- Vehicle deployment as mobile detection units.

Discovery

A1000/2000/8000 Technical Specifications



Technology

Deep Signal Inspection Gen 2

Power Consumption

≤ 35 W

Range of Detection

Up to 2 km, 5 km, 8 km (in ideal weather conditions)

Connectivity

LAN/Cellular

Geolocalization for Drone

10 m (RMS)

Configuration, Operation and Alarms

Bluvec WebUI

Geolocalization for Pilot

10 m (RMS)

Software Updates

Local and/or Cloud

Detection Frequency

300 MHz ~ 6 GHz Full band scanning, detection, display

Data Storage

Local and/or Cloud

Product Dimensions (DxH)

Cylinder: D 220 mm, H 210 mm

System Integration

GraphQL and RESTFUL based API interface

Weight

3 kg

Interference with Other Systems

Zero interference

Ingress Protection Rating

IP65

Simultaneous Detection

Up to 30 Drones

Operating Temperature

-20°C tp 55 °C

Directivity

360 ° Omnidirectional

Power Supply

AC 100-240 V



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