

# TDOA City-scale Networking Drone Management System

## Product Profile

The system can be used as a new type of infrastructure for urban airspace management. Through smooth expansion, it can monitor and manage city-scale large area 24/7 to ensure safety and order of urban lower airspace.

Deploy a number of smart RF sensors across a large area, multiple adjacent sensors can network to form a sensing grid. Many such sensing grids then converge into a city-scale lower airspace monitoring network.

The system can flexibly set up multiple key protection zones. The detection, recognition and long-distance early warning of drones are realized through sensing nodes, the precise positioning of targets is realized based on TDOA algorithm. The two major advantages of the system "information sharing" and "data fusion" are fully utilized to continuously track and lock targets across regions. In order to prevent unwanted drones trying to break into the key protected zones, the system quickly links countermeasure units to handle targets to achieve efficient management and control of large areas.

## Typical Deployment

 Key protection zone

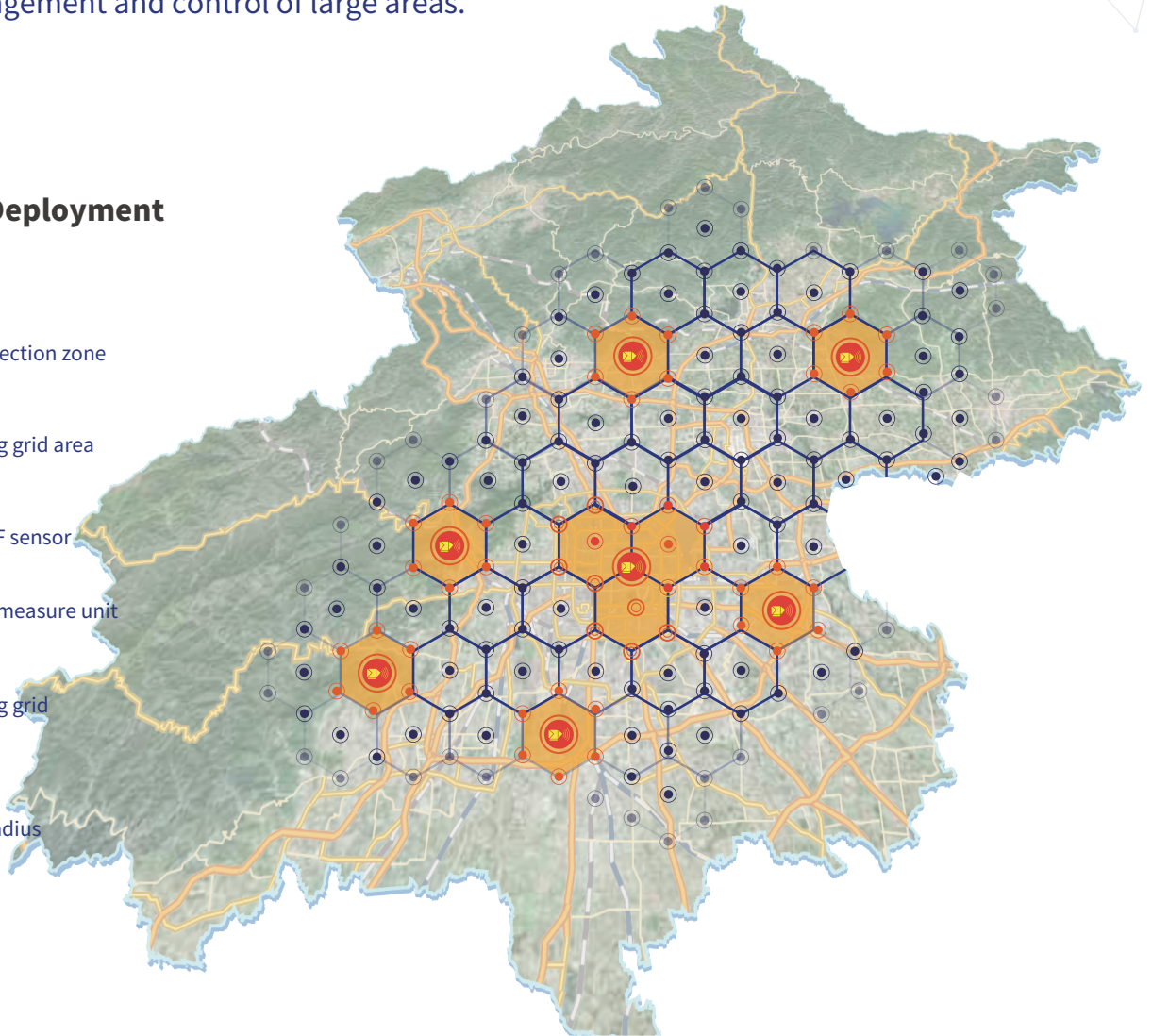
 A sensing grid area

 Smart RF sensor

 Countermeasure unit

 A sensing grid

 1-2KM radius



## Features



### Able to cover city-scale large area

City-scale large area coverage.



### Data sharing

Data from different grids can be shared in real time, breaking information silos.



### Data fusion

Fusion of monitoring data from different grids.



### Elasticity

Flexible scaling-up.



### Efficient linkage

Smart linkage between detection and countermeasure.



### Multi-level defense strategy

Customizable multiple defense zones.



### Multi-target tracking and handling

Support multi-target tracking and positioning, real-time trajectory display.



### Autonomy

7\*24 hours artificial running, integrated detection and countermeasure, autonomous countermeasure.



### Blacklist and whitelist

Able to distinguish cooperative/non-cooperative drones.



### TDOA passive detection

Passive detection technology, no signal emission, highly covert.



### Super-wide frequency band monitoring

Frequency coverage 100MHz - 6GHz.



### Fast response

Response time < 4s.



### Frequency coverage

Covers typical drone frequency.



### Large area Precise countermeasure

Directional jamming, targeted countermeasure.



### DJI and non-DJI

Various drone types, DJI series, Wifi, FPV etc.

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