

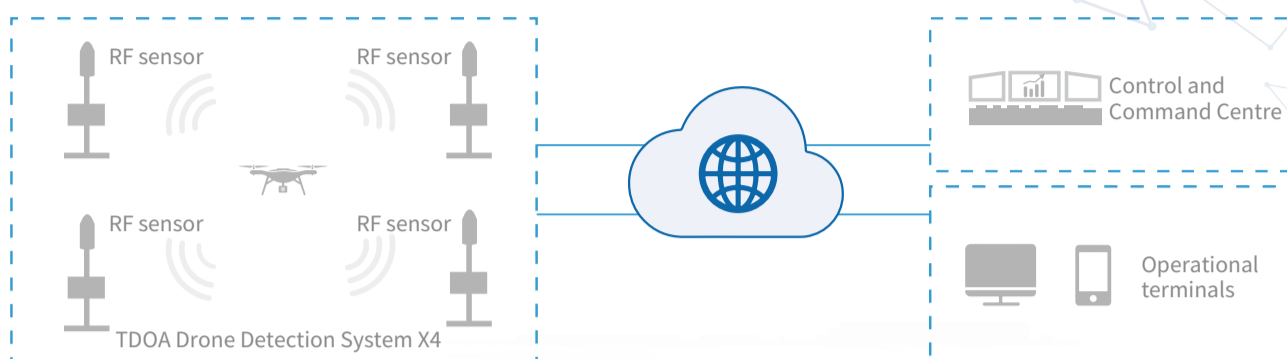
# TDOA X4 Drone Detection System

## Product Profile

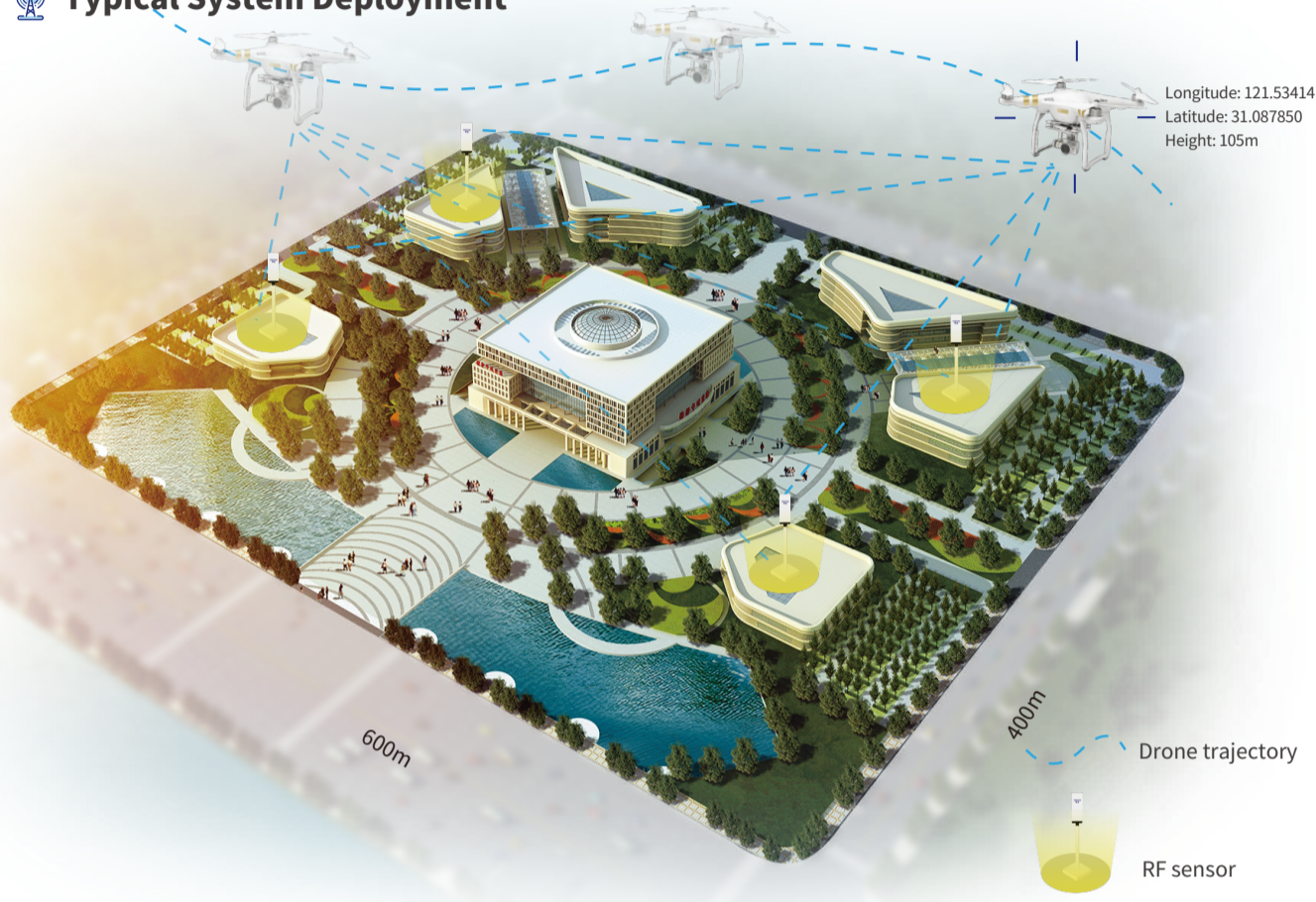
A standard TDOA X4 consists of 4 RF sensors and a management suite. The system is based on industry-leading RF sensing and TDOA positioning technology with functions such as drone detection and early warning, drone model identification, positioning, tracking and trajectory playback. It can freely expand to consist any number of RF sensors.

The RF sensors collect and recognize suspicious surrounding drone signals, and use the time differences between the signal of reaching different sensors to continuously locate and track the target.

## Typical System Architecture



## Typical System Deployment



## Features



### TDOA passive location

Passive detection technology, no signal emission, highly covert



### DJI and non-DJI

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



### Wide coverage

4 sensor network covers 4 - 15km<sup>2</sup>



### Super-wide spectrum coverage

Coverage 100MHz - 6GHz



### Black and white list

Able to identify cooperative and non-cooperative drones



### Multiple target tracking

Support multiple target positioning with independent real-time trajectory displaying

## Specifications

<input checked="" type="checkbox"/> <b>Work Mode</b> Passive TDOA positioning	<input checked="" type="checkbox"/> <b>Targets</b> Drone image-transmission signal	<input checked="" type="checkbox"/> <b>Frequency</b> 100MHz-6GHz	<input checked="" type="checkbox"/> <b>Coverage</b> 4 sensor network covers 4 -15km <sup>2</sup>
<input checked="" type="checkbox"/> <b>Positioning error</b> ≤ 30m	<input checked="" type="checkbox"/> <b>Number of targets</b> 10+ (simultaneously)	<input checked="" type="checkbox"/> <b>False alarm rate</b> <once per day	

## Application Scenarios

Suitable for lower airspace protection of government and military venues, major events, confidential facilities, chemical and petrol parks, airports, border control etc.



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