

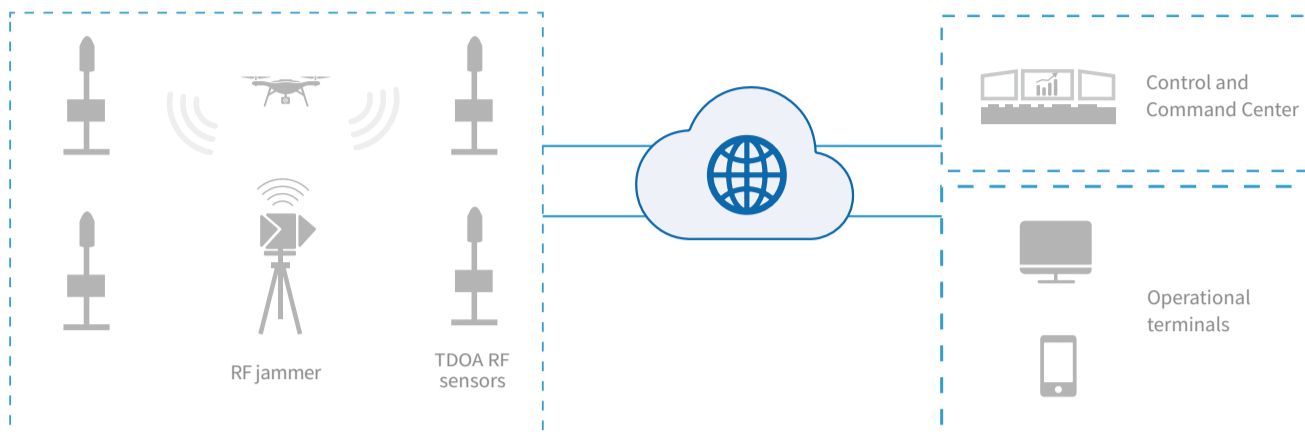
# TDOA X5 Drone Defense System

## Product Profile

A standard X5 DDS consists of 4 RF sensors, 1 RF jammer and a management suite. The system features UAV detection and identification, location, tracking and countermeasure. It is highly scalable to freely expand to consist any number of TDOA RF sensors and radio jammers.

The system can detect and identify drone signals. Multiple RF sensors can be networked flexibly to locate the signal source via TDOA algorithm. Based on the location results, the system autonomously links one or more radio jammers to automatically transmit jamming signals to effectively cut off the drone's communication command or navigation link, thus drive away or force it to ground.

## Typical configuration



## Typical Deployment Diagram



## Features

### Six-in-one

Drone detection, classification, location, tracking, countermeasure, strategy planning.

### Autonomy

Autonomously links detection to countermeasure, few artificial intervention required.

### Mega area

Can network to seamlessly cover a mega city.

### TDOA passive RF detection

Passive technology, no signal emission, highly covert.

### Able to ID DIY drones

Able to identify DJI and non-DJI drones with low false alarm rate

### Whitelist and blacklist

Able to ID cooperative drones from uncooperative ones.

### Multi targets

Multiple drone targets identification, tracking and countermeasure with realtime drone trajectory displaying.

### Super-wide spectrum

Spectrum coverage 100MHz ~ 6GHz.

### Multi-layer defense strategy

Multiple defense layers customizable.

## Specifications

### Detection

<input checked="" type="checkbox"/> <b>Work mode</b> Passive TDOA RF detection and location	<input checked="" type="checkbox"/> <b>Targets</b> Drone image-transmission link	<input checked="" type="checkbox"/> <b>Frequency</b> 100MHz-6GHz	<input checked="" type="checkbox"/> <b>Coverage</b> 4 sensor network covers 4-15 km <sup>2</sup> (Varies due to drone models and environment)
<input checked="" type="checkbox"/> <b>Location precision</b> ≤30m	<input checked="" type="checkbox"/> <b>Number of targets</b> ≥ 10 (Simultaneously)	<input checked="" type="checkbox"/> <b>False alarm rate</b> <1 time/day	

### Countermeasure

<input checked="" type="checkbox"/> <b>Work mode</b> RF jamming	<input checked="" type="checkbox"/> <b>Targets</b> Control and GNSS signals	<input checked="" type="checkbox"/> <b>Frequency</b> Typical drone frequency, including 900MHz, 1.5GHz, 2.4GHz, 5.8GHz	<input checked="" type="checkbox"/> <b>Coverage</b> 1 jammer covers 1-5 km <sup>2</sup> (Varies due to drone models and environment)
<input checked="" type="checkbox"/> <b>Time to response</b> 4s			

## Application scenarios

Critical facilities, major events, petrochemical parks, railways, border control.

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