

FTD1

TDOA Drone Detection Equipment

Overview

A single FTD1 can independently discover and identify drones. Multiple FTD1s can network to locate drones based on TDOA algorithm.

The equipment adopts a specialized antenna design which features super wide frequency bandwidth, long detection range, strong anti-interference capability. It is suitable for deployment in complex urban environment.

Features

- TDOA-based passive detection** | Passive RF sensing, no signal transmission, environmental friendly
- Long range coverage** | Detection radius 2 - 6 km (variation due to environment and drone model)
- Strong anti-interference capability** | Stable running under urban environment
- DJI and non-DJI** | DJI,DIY,WIFI,racing drones included
- Low false alarm rate** | Average false alarm rate < once per day
- High refreshing rate** | Average detection result refreshing time <1s
- Drone positioning** | Multiple equipments can network to conduct TDOA-based positioning
- Integrated design** | Easy to deploy and use
- Whitelist/Blacklist** | Able to identify cooperative and non-cooperative drones

Specifications

Work mode	RF sensing
Detection target	Both video transmission and control link, Drone video transmission
Frequency	100MHz- 6GHz
Range	Detection radius 2 - 6km (Varies depending on environment and drone model)
Swarm detection (simultaneously)	35+

