

# 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

#### Strong anti-interference capability

Stable running under urban environment

#### Low false alarm rate

Average false alarm rate < 1/day

#### Comprehensive detection

Able to detect 1000+ models, including DJI, Aut self-assembled FPV, etc.

#### Drone localization

Multiple equipments can network to conduct TDOA-based precise localization

#### High refreshing rate

Average detection result refreshing time < 1s

#### Whitelist/Blacklist

Able to identify cooperative and non-cooperative drones

#### Integrated design

Easy to deploy and use

### Specifications

<b>Work mode</b>	RF sensing
<b>Target</b>	Video transmission and remote control link
<b>Frequency</b>	100MHz~6GHz
<b>Detection Range<sup>[1]</sup></b>	2~6km
<b>Swarm detection (simultaneously)</b>	≥35
<b>Dimension</b>	L*W*H(265mm*265mm*660mm)±5mm
<b>Weight</b>	~12kg
<b>Protection grade</b>	IP66
<b>Work Temperature</b>	-40°C~65°C

Note:[1] Range may vary with environment and model

