

FD1 Drone Detection Equipment

Overview

FD1 is a stationary device for drone detection and localization. Through radio spectrum big data analytics, it identifies drone model, S/N code, coordinates (longitude, latitude, altitude) as well as pilot coordinates.

It works independently offline or with multiple devices networking to cover a larger area. It can be interconnected with drone neutralization equipment such as radio jammers, GNSS spoofers etc.



Specifications

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| Work mode | RF sensing |
| Target | Video transmission and remote control link |
| Frequency | 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz |
| Detection range^[1] | 1~10km |
| Simultaneously | ~15 |
| Location error | ~10m |
| Protection grade | IP65 |
| Work temperature | -20°C~65°C |
| Dimension | L*W*H (513mm*462mm*187mm) ±5mm |
| Weight | ~25kg |

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

Scenarios



Drone threats mitigation for airports, critical industrial facilities, major event venues etc.

Features

- Comprehensive detection** | Able to detect 1000+ models, including DJI, Autel, self-assembled FPV, etc
- Whitelist/Blacklist** | Able to identify cooperative and non-cooperative drones
- Drone ID** | Identifies drone serial number
- Networking** | Multiple devices can network to cover a larger area
- Drone tracking** | Tracks multiple drone flight trajectories simultaneously
- Comprehensive protection** | Full-time, all-weather, no blind-zone
- Detection and neutralization linkage** | Able to interconnect with drone neutralization equipment