

Power Consumption 10W



UD3 Drone Detection Equipment

Overview

The UD3 is a miniaturized product integrating regulatory functions such as drone spectrum detection, protocol parsing, and RID identification. A single unit enables real-time drone detection and early warning, as well as precise localization and trajectory tracking (for partial models) of common drones and pilots.

The product comes in two models: UD3-P and UD3-F. The UD3-P is portable with light weight and compact size, while the UD3-F delivers superior omnidirectional detection performance. Both models feature low overall power consumption (10W) and support deployment in fixed installation, vehicle-mounted, backpack-carried and other mobile scenarios, allowing users to select the appropriate model according to actual application scenarios.

Features

- Passive Technology**
Detects drones by passively receiving signals, causing no interference to the surrounding electromagnetic environment with high concealment
- Drone & Pilot Localization**
Real-time display of both drone and pilot locations
- Whitelist/Blacklist**
Able to identify mainstream drones as well as FPV, DIY
- Detection and neutralization linkage**
Able to interconnect with drone neutralization equipment
- Low Power Consumption Design**
The overall power consumption is around 10.2W. Supporting AC/DC wide voltage input, it enables all-weather drone prevention and control without high-power power supply
- Multi-mount Solution**
Flexible installation modes are available according to the actual environment, including backpack carrying, vehicle mounting, installation on traffic poles, rooftop deployment and more

Specifications

Frequency 100MHz-6GHz; typical: 900MHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz	Detection Radius^[1] 1~5km (Varies depending on environment and drone model)	RID Detection Radius 0.5~1km	Localization Error^[2] ≤10m
Dimension Φ*H: (140mm*350mm)±5mm (166mm*405mm)±5mm	Weight ~2.9kg/4.4kg	Protection Grade IP67	Work Temperature -40~75°C

Note: [1][2] Only work on certain models..

Scenarios

Applies to the security patrol, dignitary accompanying protection, major activities protection and other scenarios.

