

FPC1 Detection Precision Jamming Integrated



Overview

The FPC1 integrates multiple capabilities including drone detection, early warning, identification, direction finding, localization, wideband jamming, and precision jamming. A single unit can simultaneously determine the direction of multiple drone targets. The device employs passive spectrum detection technology, ensuring high concealment and zero electromagnetic interference to the surrounding environment.

Features

Wide Model Compatibility

Supports detection of DJI, Autel, and many other mainstream drone brands, along with custom-built, Wi-Fi-based, and FPV drones.

Accurate Direction Finding

A single unit can determine the direction of target drones and display their real-time position on the digital map interface

Unique [1] Identification Capability

Enables recognition of a drone's unique serial number for major commercial models

Whitelist & Blacklist [2]

For selected mainstream drone models, the device can effectively distinguish between cooperative and non-cooperative targets

Integrated Detection and Countermeasure, Fully Unattended Operation

Features intelligent linkage between detection and jamming modules, enabling autonomous identification and neutralization of non-cooperative drones

Wideband & Precision Control

the system supports mode selection by drone category, allowing precise control for whitelist/blacklist-classified drones, precision engagement of multiple simultaneous targets, and wideband suppression across multiple frequency bands as required

Note: [1][2] Applicable only to certain drone models. For details, refer to the technical specifications

Specifications-Detection

Work mode	RF Spectrum, Protocols Decoding, RID
Operating Band	Video Transmission Band/Remote Control Band
Operating Range	2~5km(Varies with model and environment)
Operating Band	100MHz~6GHz
Localization Accuracy	≤10m (Works on some models)
Multi-targets Detection	≥20 drones(Simultaneously)

Specifications-Jamming

Operating Band	Video Transmission Band/Remote Control Band
Operating Range	0.5~2km in urban environments(Varies with model and environment)

Scenarios



Drone monitoring for various scenarios such as airports, railways, industrial compounds, major event venues etc.

Mechanical Specifications

Weight	~60kg
Dimension	Detection Unit:(420mm*530mm)±5mm Jamming Unit:(513mm*462mm)
Applicable Scenarios	Suitable for major events, conferences, high-end business parks, hotels, residential areas, and correctional facilities