UAMS-C01 GPS 诱导

UAMS-C01 GPS Spoofing

规格书

Specification Sheet

目　录

CONTENTS

1 功能用途

1 Function and Purpose

UAMS-C01 无人机 GPS 诱导系统是一款基于卫星导航信号模拟与干扰技术的反制设备，旨在通过生成虚拟 GPS/北斗信号或干扰现有导航信号，实现对无人机的精准定位误导、航线干扰或迫降控制。本产品适用于敏感区域防护、反间谍侦查、活动安保等场景，确保低空全域安全。

The C01 drone GPS spoofing system is a countermeasure device based on satellite navigation signal simulation and jamming technology.It can achieve accurate positioning misleading, hovering or forced landing control of drones. It can be used in sensitive area protection, counter-espionage reconnaissance, event security and other scenarios to ensure low-altitude full-area safety.

1.1 产品特点

1.1 Product Features

1) 多频段覆盖

1) Multi-band coverage

支持 GPS/L1(1575.42MHz ± 1.023MHz)、BDS/B1(1561.098MHz ± 2.046MHz)、GLONASS/G1(1602MHz ± 4MHz)、GALILEO/E1(1575.42MHz ± 12.276MHz)仿真。

Support GPS/L1(1575.42MHz ± 1.023MHz)、

BDS/B1(1561.098MHz ± 2.046MHz)、

GLONASS/G1(1602MHz ± 4MHz)、

GALILEO/E1(1575.42MHz ± 12.276MHz) Simulation.

2) 多模式选择

2) Multi-mode selection

支持对无人机的定向驱离、导航干扰、导航迫降。

Support for directional repulsion, navigation interference, and navigation forced landing of drones.

3) 多设备联动

3) Multi-device linkage

可配合无人机频谱侦测系统、雷达探测系统和光电跟踪识别系统联动使用，实现自动侦测预警、跟踪、识别、定位、自动防御一体化 24 小时无人值守防御态势。

C01 can be used in conjunction with unmanned aerial vehicle spectrum detection systems, radar detection systems, and electro-optical tracking and identification systems to achieve automatic detection and early warning, tracking, identification, positioning, and automatic defense, creating a 24-hour unattended defense posture.

4) 灵活部署、操作简单

4) Flexible deployment and Ease of Operation

诱导设备重量轻，可单人应用架设，方便用户使用；同时人机界面直观简洁，配置简单。

C01 is lightweight, can be set up by a single person, making it convenient for users. Additionally, the human-machine interface is intuitive and straightforward, and the configuration is simple.

1.2 产品指标

1.2 Product Specifications

1）工作频段：

GPS/L1(1575.42MHz ± 1.023MHz)、

BDS/B1(1561.098MHz ± 2.046MHz)、

GLONASS/G1(1602MHz ± 4MHz)、

GALILEO/E1(1575.42MHz ± 12.276MHz)；

1) Working frequency :

GPS/L1(1575.42MHz ± 1.023MHz)、

BDS/B1(1561.098MHz ± 2.046MHz)、

GLONASS/G1(1602MHz ± 4MHz)、

GALILEO/E1(1575.42MHz ± 12.276MHz);

2）导航欺骗功能：无人机禁飞投射（迫降）、定向驱离；

2) Navigation Spoofing Feature: Drone No-Fly Zone Projection (Forced Landing), Directional Displacement;

3）防御距离：定向 50km，全向 5-10km；

3) Defense distance: directional 50km, omnidirectional 5-10km;

4）诱骗介入时间：≤2s；

4) Deception intervention time: 2s;

5）有效欺骗角度：水平：360°、垂直：±90°；

5) Effective deception angle: horizontal: 360°, vertical: ±90°;

6）信号发射功率：120W(可调)；

6) Signal transmission power: ≤120W(Adjustable);

7）功耗：≤240W；

7) power consumption: ≤240W;

8）重量：≤10kg；

8) Height：≤10kg;

9）防护等级：IP65；

9) Protection level: IP65;

10）结构尺寸 400mm *280mm * 112mm；

10) Structural dimensions :400mm *280mm * 112mm;

11）供电方式：220V AC 交流电；

11) Power supply method: 220V AC alternating current;

12）数据接口：网口；

12) Data Interface: Network Port;

2 上位机软件

2 Host computer software

2.1 界面

2.1 Interface