



Portable UAV Detection & Jamming system



Description

The system is equipped with a 2.8-inch bright IPS LCD screen, which has the function of detecting the orientation and model of the drone, and has the function of interfering with the frequency band used by the drone, which can drive the drone away or force the drone to land, and completely cut off the contact between the drone and the remote control or the ground station to ensure the safety of the low-altitude airspace in the region. Compared with common portable control equipment, this device adds device positioning and networking functions, and can link the back-end command system to facilitate the background command personnel to make transfers according to the distribution of equipment.

Technical Specification

Position Function Parameter	
Module type	High-precision L1, 15 dual-frequency GNSS receiving module
Position system	Beidou, GPS
PPS search accuracy	$\pm 15\text{ns}$
Maximum speed	515m/s
Speed accuracy	0.1m/s
Dynamic heading Angle accuracy	0.3
Networking function parameters	
Communication method	UART



Communication frequency band	490MHz
Transmission power	1w
Transmission distance	2km
Encryption method	AES dynamic encryption
Detection technical parameters	
Detection frequency	Dual frequency 2400~2485MHz, 5150~5950MHz
Detection antenna gain	2dBi
Detection power consumption	≤5W
Detection mode	Omnidirectional detection, directional detection
Detection distance	1-2km
Number of detections	Multiple targets
Detection and identification	Commonly used UAV types
Warning mode	Sound, vibration
Jamming technical parameters	
Operating frequency	900 ~ 930MHz, 1550 ~ 1620MHz, 2400 ~ 2500MHz, 5715 ~ 5850MHz
Output power	140W
Signal style	DSSS(spread spectrum) /FHSS (frequency hopping)
Battery capacity	2 pieces of 7000mah lithium batteries
Endurance	≥30 minutes (continuous launch); ≥120 minutes (30s launch and 90s stop)
Product weight	About 4.6kg
Product size	Host: 690*300*80mm
Working mode	Expel/Forced land mode; Each module can be individually controlled on and off
Screen configuration	2.8-inch high-lighted IPS screen
scope magnification	Maximum 4 times
Jamming distance	Flight height 100m: control distance ≥1700m, flight height 200m: control distance ≥2000m