DATA SHEET	Reference Cost: 55000USD
Anti Drone Aeroscope System	**SKC11**

Product Introduction

SKC11 aeroscope is composed of detection and interference equipment which is a fixed detection and defense integrated combination equipment. Using the basic principle of radio cracking the underlying protocol, using narrowband, frequency hopping and other technologies, point to point targeted cracking of the channel connection between RC and drones, and an integrated device for 360-degree all-round reconnaissance, direction finding, and countermeasures. It has the characteristics of radio passive automatic detection, advanced warning, black and white list, ID identification, precise strike, precise defense, unattended, cloud platform control, zero interference operation etc.; at the same time, it supports viewing detection and countermeasure results, spectrum analysis, radio data Intelligent functions such as analyzing data and grabbing.

SKC11 also supports split use, which can be split into pure detection equipment and strike equipment for separate use. The pure detection equipment can also be used in petroleum and petrochemical scenarios, which is safe and reliable. The strike equipment can be used in conjunction with other products.

SKC11 Aeroscope is an all-in-one device for detection and strike. The urban detection range is 7KM , the open environment can reach up to 15 KM, and the strike distance can reach 3 km in the urban environment. The device achieves precise positioning through multiple networking; it can also be operated by multiple terminals. The product has superior performance, and can effectively form an invisible intelligent protective net in the protected area, which can force-land and drive away the black flying drone to ensure the safety of the airspace. This equipment is widely used in the low-altitude defense of sensitive facilities such as public security, army, civil aviation airport, nuclear power plant, electric power, prison and important activity places.

Product Features

1. Using radio silent monitoring, real-time automatic monitoring, no electromagnetic radiation, and compatible with electromagnetic sensitive areas;
2. Using omnidirectional antenna, 360° all-round monitoring;
3. It can identify unique electronic fingerprints and distinguish drones of the same brand and model.
4. Black and white list function: Based on the unique electronic fingerprint identification, it can distinguish "enemy and friend", set up a white list, realize precise attack on black list drones, and ensure the normal operation of white list drones.
5. Early warning: early warning can be provided, the drone can be turned on, and the target can be detected and found in real time, and the alarm can be linked.
6. Defense method: Fully automatic defense, linked with the detection function, one-click to open fully automatic defense, to achieve unattended.
7. Defense means: intelligent control cut-off and control takeover, narrow-band low-power intelligent frequency-hopping tracking and cutting off the control link of drones, and some drones can intelligently take over remote control signals.
8. Support statistics function, UAV ID, quantity, invasion time, defense time;
9. With a one-key defense button, automatic defense can be realized;
10.Easy installation and application: the product can be installed with a fixed pole, which is suitable for long-term deployment and protection requirements in areas with high security levels; it can also be quickly erected with a tripod, which is suitable for temporary task protection requirements such as important meetings and large-scale events; It is erected as a vehicle-mounted device and used as a mobile countermeasure vehicle.
11. Good expand-ability: by increasing the network deployment of radio equipment, target cross positioning can be realized, and the defense zone range and positioning accuracy can be improved.
12.Through networking, remote control of mobile terminals (tablets, mobile phones and other devices) can be realized.

Main Parameter

Detection frequency range	70MHz ~6GHZ
Detection antenna frequency band	2.4G, 5.8G, 800M, 900M
Detection direction	Omnidirectional 360°
Detection time:	≤10s (Under the 1KM unobstructed working condition of the radio detection system of the UAV, the UAV starts timing after it is turned on, and the effective detection time is ≤2s)
Recognition time	≤1s (refers to the time for the system to recognize the brand model and ID number of the drone
Detection radius	5-15 km (depending on the environment)
Direction finding accuracy	≤15 ° (RMS)
Reconnaissance sensitivity	Better than -95dBm (25kHz)
Frequency measurement accuracy	≤1KHz
Detection quantity: the number of one-time detection drones	≥60
Detection type	One-time detection of UAV types ≥35
Detection success rate	99%
Defense range radius	≥2.5 km

DATA SHEET	Reference Cost: 55000USD
Anti Drone Aeroscope System	**SKC11**

Interception response time	≤1s
Number of interceptions	≥ 35
Counter-transmission frequency	900M, 1.5G, 2.4G, 5.8G
Disturbance mode	Driving away and forced landing
Takeover function	It can take over and control Parrot AR Drone and other models
Transmitting power	≥100W
Defense success rate	≥99%
Black and white list	Blacklist drones can be intercepted, while whitelist drones are not affected by interference;
Precise Strike	It can precisely strike any one of the detected drones, and other drones will not be interfered
Broadband attack	Standard 2.4G/5.8G, can load 900M, 1.5G broadband interference; can transmit 4 channels at the same time
Automatic defense	The system has unattended function
Log preservation function	≥ 5 years
Trajectory display	After the system detects the drone, it will display the flight trajectory of the drone, and the three-unit network can accurately locate the trajectory
System page functions	The platform software has functions such as system self-inspection, electronic map situation display, target warning, multi-target intrusion display, hierarchical disposal, black and white list, etc.
Control platform functions	UAV detection system can view system operation pages, receive alarm information, view black and white lists, and view logs through computers, mobile phones, and tablets at different locations at the same time
System linkage	Provide an expansion interface, which can easily realize linkage with interference counter equipment. The system protocol interface can complete joint debugging including but not limited to radar, optoelectronics, jamming equipment, command hall, and comprehensive disposal platform; it supports different development protocols.
Comprehensive command system	Automatic sound and light alarm, map display, record, search, self-check, automatic and manual defense functions.
Portable erection and withdrawal time	≤ 3 min
Power supply mode	220V±20
Working temperature	-40℃ ~ 70 ℃
Protection class	IP66

Device Pictures