

Anti UAV Defence System

System Overview

The Anti UAV Defense System is a set of low altitude defense control system for UAV, which realizes full time, full coverage and whole process prevention and control management of sensitive airspace. Through the combination of active detection means of radar and passive detection means of radio monitoring equipment, the system realizes the real-time detection and discovery of long-distance UAV, obtains the high-precision positioning information of UAV target, and then realizes the confirmation, identification, locking, tracking and forensics of the target through the linkage intervention of photoelectric equipment. After the suspicious UAV is confirmed, the jamming device can automatically or manually handle the suspicious UAV quickly and effectively.

The system can be used for real-time monitoring, pre-warning analysis and flexible disposal of UAVs entering sensitive airspace illegally, and can prevent the occurrence of major malignant accidents, improve management center rapid reaction ability and emergency response capacity, form the new mechanism that is scientific management and efficient command, to ensure that sensitive airspace for security and stability.

System Characteristics

- The AUDS is a comprehensive control platform integrating radar detection, photoelectric confirmation and tracking, interference countermeasures and control software
- Low power remote detection, accurate three-coordinate positioning
- Efficient target image identification, accurate tracking of complex background
- Multi-dimensional precision strike, reduce the associated interference
- Optoelectronic Device, UAV Radar, UAV Radio Monitoring Equipment linkage work. Identified immediately once discovered, and disposed immediately once identified.
- Intelligent unattended operation, automatic disposal of the whole process
- Preserve the evidence of invasion and harassment for later proof
- Generate and present the comprehensive situation, and access the threats
- All-weather and all-hour work makes it safer
- Rapid response to market demand, technical indicators independently controllable

System Function

- The electronic map shows the comprehensive situation of the target
- All equipment deployment and defense area deployment information is displayed on the electronic map
- Area alarm level setting. The classified alarm disposal strategy can be adopted according to the alarm level
- Use a variety of ways to push alarm information. Sound and light alarm is carried out after radar detects the target
- Manual/automatic linkage photoelectric device for confirmation and tracking, linkage interference device for drive crash landing
- Develop diversified watch strategy and carry out unattended operation
- Multi-equipment networking with control
- Electronic map off/online access, ordinary/satellite map display
- Single client terminal for the whole system monitoring, management, display
- Reserve docking interfaces for radio detection equipment, bird driven acoustic device and other equipment for rapid business expansion

System Composition



System Application

The Anti UAV Defense System is mainly applicable to military/civilian airports, military bases, prisons, drug rehabilitation centers, troops, government agencies, border/coastal defense, nuclear power plants, launch bases and other important areas, as well as large-scale activities security, accompanying political leaders protection, important conference security, public security, counter-terrorism, stability and other scenes requiring low-altitude security.

