



Application: political core areas, chief residences, major security tasks guard point surrounding, nuclear power plants, oil refineries and such flammable areas, and etc.

Detection parameters:

1. Detection frequency range:
Radio signal link band based on civilian-level drone, range 300-6000MHz.
2. Can identify the majority of drone models in market.
3. Max detection distance: no less than 8km.
4. Max detection distance of single detection station: no less than 6km;
5. Detection angle: full 360 degree.
6. Detection angle error accuracy (root mean square) : less than 5 degree (rms);
7. Tracking speed: can reach to 45km/h.



Jamming parameters:

1. Jamming frequency range:
GPS / Glonass, 2.4G, 5.8G, 900M
2. Max jamming distance:
1 ~ 2km, depending on the working environment on site;
3. Function: Expel or land.
4. Operation:
Jamming function can be turned on automatically or manually after after detected.



System parameters:

- Equipment power supply: AC220V, or gasoline generator.
- Working temperature: -35 °C ~ + 85 °C .
- Working humidity: 80 ± 3%;
- Passed GB16796-2009, AC voltage resistance test, leakage current test and insulation resistance test.

Comprehensive performance:

1. Environmental applicability: this device can be used in various situations such as emergency, transition, temporary control, etc. It is convenient and flexible, can be used in portable and on-vehicle, and also in a fixed place.
2. Reliability: It can work all day and is not affected by climatic conditions, working temperature ($-35\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$), working humidity ($80 \pm 3\%$).
3. Maintainability: Combined design, easy to disassemble, upgrade and repair. Problems with any component will not affect other orientation detection, easy for maintenance. If need replace one module, simply plug and unplug it without affecting other modules
4. Safety and flexibility: Passive positioning technology is used to locate the radiation source, without causing interference to the existing equipment, which is safe and reliable. With early warning capability, before the drone take-off, it can be detected. Early warning capability is available.
5. The system is lightweight and can be operated by a single person. The stations communication in network, it is simple and quick to deploy.
6. Compatibility: Provide multiple power supply modes: AC220V power supply, external power supply box.
7. Guarantee: Each orientation component has a built-in high-efficiency heat sink, and the equipment's operating temperature automatically dissipates heat to ensure the equipment's efficient heat dissipation and prolong the equipment's service life.
8. Reliability: Conforms to the 45Hz-65Hz electric strength test specified in GB16796-2009, and requires $\geq 1\text{min}$ without breakdown and flashover phenomenon. Meet GB16796-2009, leakage current inspection, total current $\leq 0.6\text{mA}$; meet insulation resistance test, requirements for safety precautions and alarm equipment, total resistance value is not less than $150\text{ M}\Omega$
9. Detection and jamming devices are linkage integration (optional support daytime + night photoelectric system), jamming system 360-degree rotation to track the target.