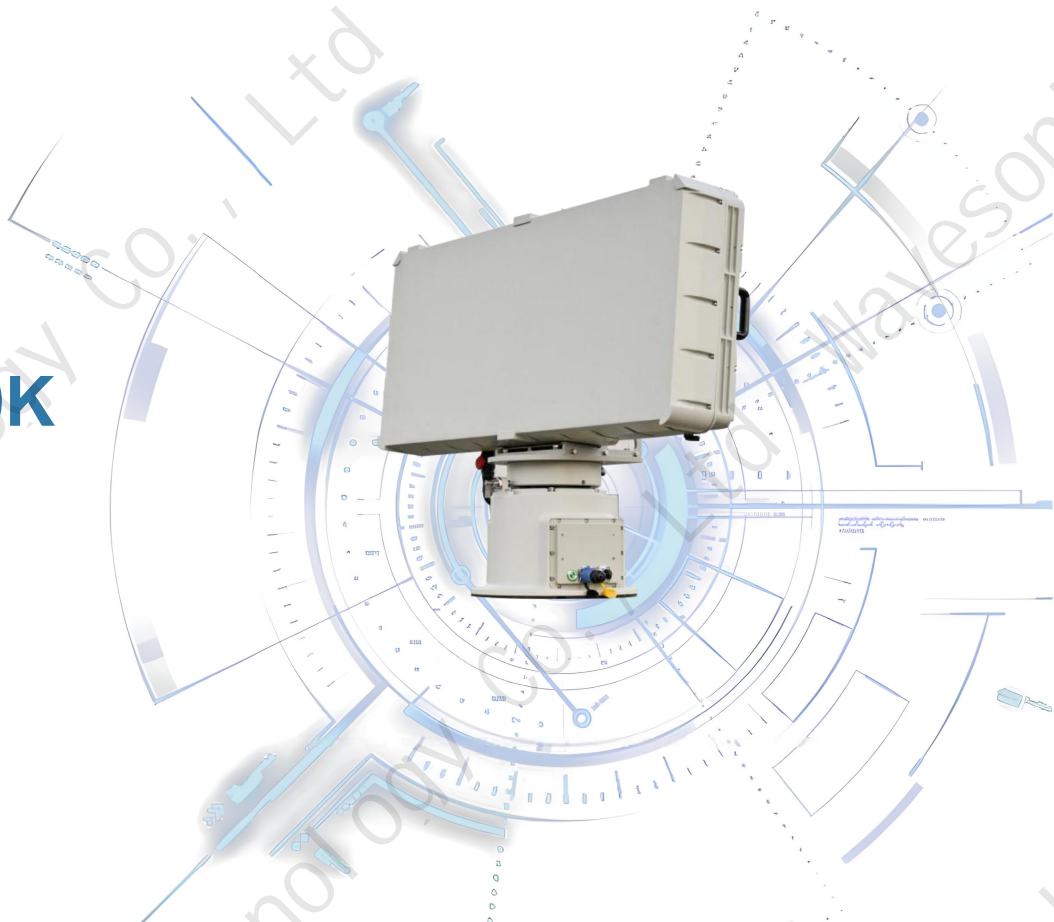


ASR216S-10K



Product overview

The ASR216S-10K is mainly composed of one radar array, one mechanical turntable, and one power adapter. It is used for the detection, surveillance, and target indication of micro/small civilian drones in key areas such as borders, perimeters, and military bases. It can accurately provide trajectory information such as target orientation, distance, altitude, and speed.

Product features:

- High real-time and high precision: anti clutter, continuous trajectory, high precision, able to output target coordinate information
- Strong adaptability to the environment: possessing the ability to work 24/7 and adapt to harsh environments such as night, rain, snow, haze, and dust
- High flexibility: Long range detection of targets, easy installation
- DBF technology: DBF technology can improve anti-interference ability by transmitting multi beam technology
- High cost-effectiveness: By continuously improving the product, while ensuring detection effectiveness, we achieve a perfect combination of product reliability, usability, and economy



Products parameter

| | |
|---------------------------|----------------------------------------------------------------------------|
| Working system | Phased Array System (azimuth scanning+elevation scanning)/Pulse Doppler |
| Working band | S Band |
| Range of Radar | 10.2km |
| Effective detection range | 100m~10.0km (UAV; Drone) |
| Azimuth coverage | 360° |
| Elevation coverage | ≥40° |
| Detection speed | 1.0m/s~85m/s |
| Azimuth accuracy | ≤0.8° |
| Pitch accuracy | ≤1.0° |
| Distance accuracy | ≤10m |
| Data rate | ≥0.2Hz |
| Data interface | RJ45/1 1CH Ethernet 10/100M port |
| Input power | ≤250W(power dissipation) AC200-AC240(input) |
| Working temperature | -40℃~+55℃ |
| Weight (N.W) | ≤60kg |

Product dimension

