

Drone Detection Radar

SZMD-JH501



Key Features

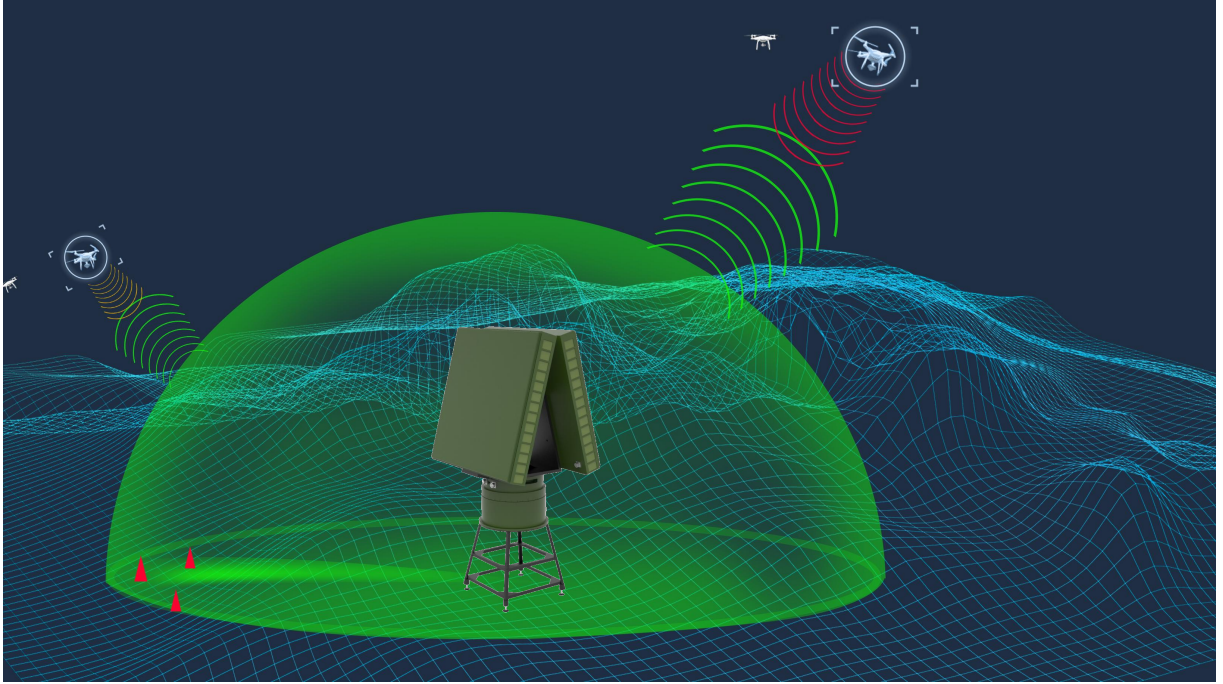


- All-solid one-dimensional phased array + azimuth machine sweep, covering a wide range of airspace;
- X / Ku dual-frequency band, good low-altitude detection performance, excellent anti-interference ability;
- Long detection distance to the ground and low-altitude targets, high accuracy;
- High reliability and good maintainability, and support for 24h on-duty work;
- Support wired / wireless communication, high integration, fast disassembly, flexible deployment;
- Adopt advanced signal processing and information processing technology;
- Portable flat panel display, portability, good, easy to operate, man-machine interface friendly.
- After radar detection, it can automatically form the target movement trajectory, and the orientation, distance, radial speed and other parameters can be displayed in real time

Specifications

The SZMD-DK 5 low-altitude detection radar	
Work frequency band	X/Ku two waveband
detection zone	Sweling class I target, discovery probability of 80% and false alarm probability of 10-6
maximum detectable range	For small drone target 10km(RCS=0.01m ²)
Azimuth cover	0°~360° (machine scan)
Pitch cover	-5° ~ 45°
Highly covered	≤500m
Measurement accuracy (root mean square error)	
range accuracy	≤5m
Zimuth accuracy	≤0.2°
Subduction Angle accuracy	≤0.2°
resolving power	
range resolution	≤30m
bearing resolution	≤2°
Pitch resolution	≤2°
Main equipment weight	≤200kg
supply electricity	AC220V
power dissipation	≤5000W
working temperature	-40°C~+60°C
storage temperature	-45°C~+65°C
MTBF	≥1000h

Usage scenario



*Please refer to the actual product. The equipment provides different customized styles.