Drone Detection Radar

SZMD-SR224

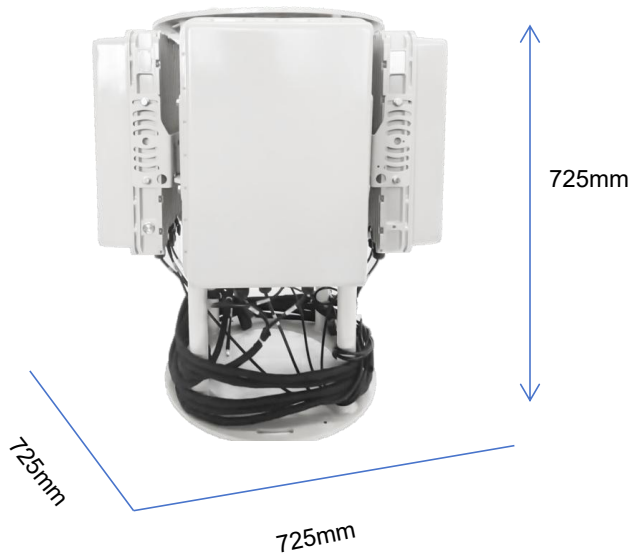
Key Features

- Full digital active phased array technology system, transceiver DBF technology;
- Adaptive moving target detection and Doppler clutter suppression technology;
- Compact and portable, easy to set up, light weight, simple operation;
- Digital T/R technology and highly integrated RF and digital integrated design technology;
- High maneuvering target stable tracking technology;
- Easy to install, easy to use, the terminal software is simple to operate, easy to learn and easy to use;
- High reliability, the search radar does not need mechanical rotating equipment, will not affect the radar work due to mechanical and electrical failure, with higher reliability;
- Excellent low altitude detection capability. The Doppler filter system designed by the search radar based on the phased array system completely eliminates the clutter spectrum diffusion problem caused by the scanning modulation of the machine-scanned radar antenna, and the wave suppression capability is stronger, which is more conducive to the detection and tracking of low altitude UAV targets in a strong clutter environment.

Specifications

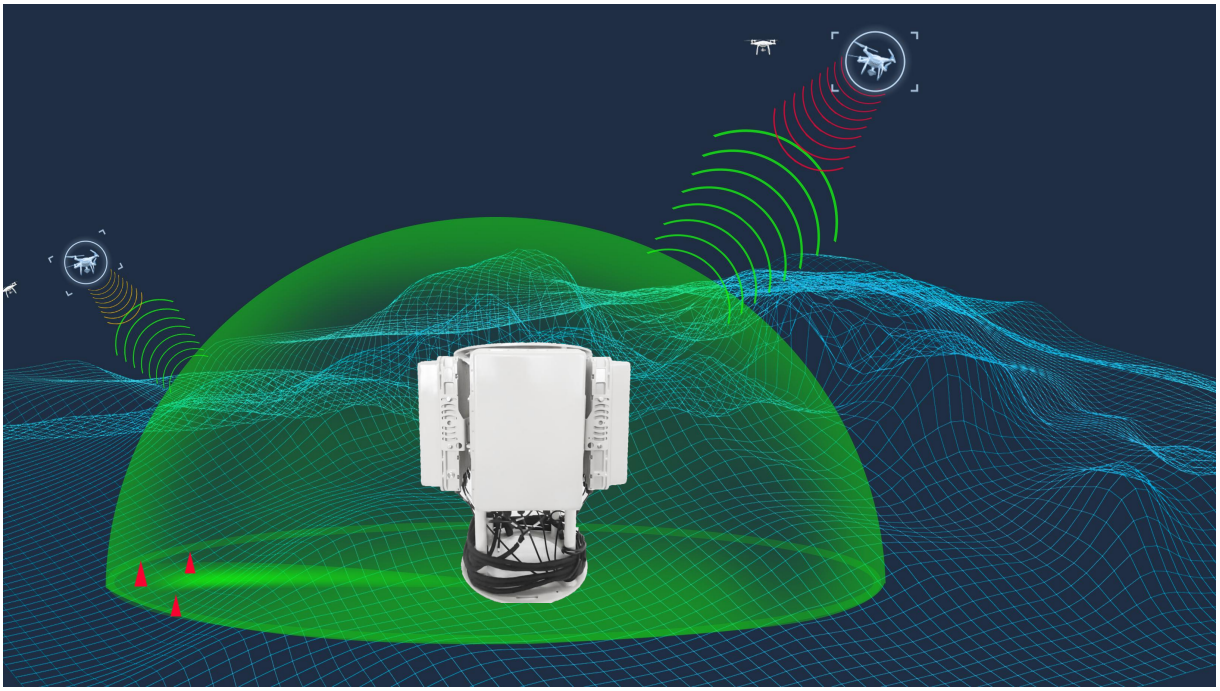
Detection performance	
Working system	Phased array system + send and receive all digital DBF technical system
Working mode	Pulse Doppler
Operating frequency band	C-band
Detection range	1.5km （RCS≈0.01㎡）
Blind area	95m
Azimuth coverage	0°～360°
Elevation covering	30°
Range accuracy	15m
Target capacity	40 sorties
Electrical performance	
Power supply	AC220V
Power dissipation	120W
communication	1 Gigabit Ethernet (UDP)
Data rate	Detection mode 2s Tracking mode 0.2s
Mechanical property	
weight	60kg
dimension	725mm×725mm×775mm

Equipment size



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

Usage scenario



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