

# Drone Detection Radar

## SZMD-SR225



### Key Features

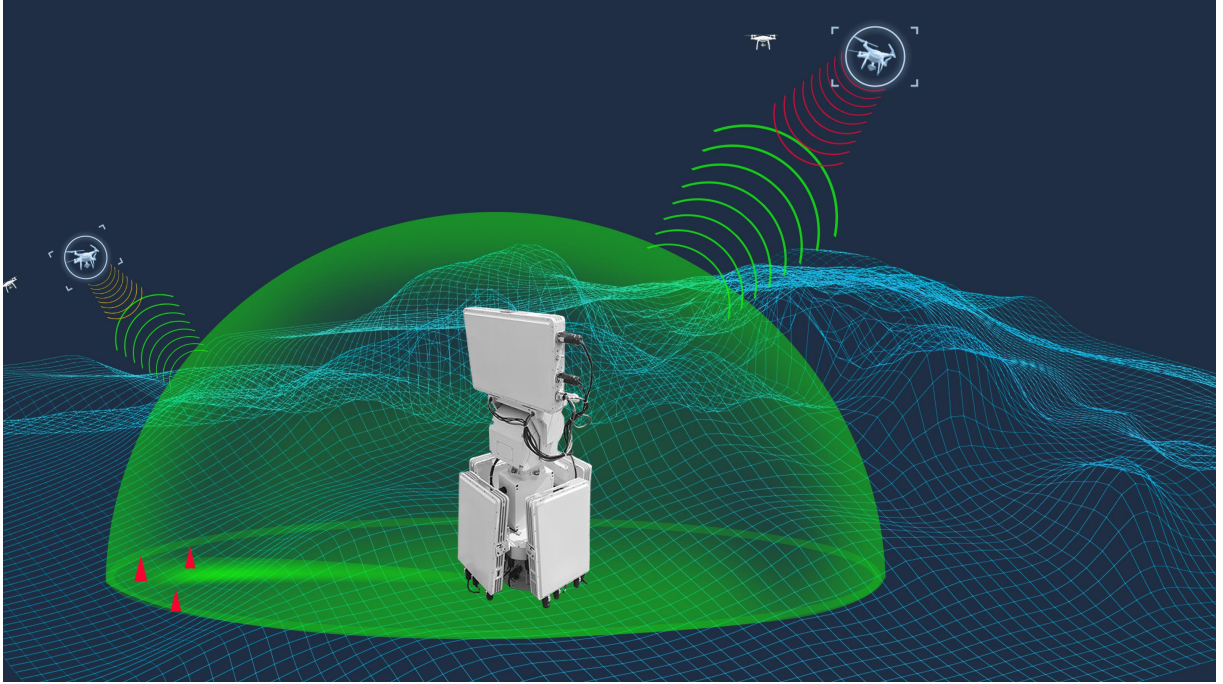


- The advantages of radar phased array system are high flexibility and multi-target tracking ability.
- By controlling the phase of each radiation unit, multiple beams can be generated and scanned, so as to track and recognize multiple targets.
- Compact and portable, easy to set up, light weight, simple operation;
- Maximum detection range  $\geq 3.0\text{km}$  (typical target: DJI "spirit 3") depends on the model/environment;
- 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;
- The advanced technology system can carry out non-uniform detection, and adopt different detection schemes for different areas to improve the overall detection performance.

## Specifications

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Working system	Phased array system (azimuth phase scan + pitch phase scan)
Working mode	Pulse Doppler
Operating frequency band	C-band
Maximum detection range	≥ 3.0km (Typical target: DJI "Genie 3")
Minimum detection range	≤ 100m
Azimuth coverage	0° ~ 360°
Elevation covering	0° ~ 40°
Range accuracy	≤ 10m
Azimuth accuracy	≤ 1.0°
Pitch accuracy	≤ 1.0°
Data rate	≥ 1次/s
Overall dimension	Radar body: 1500mm×800mm×800mm Distribution control box: 440mm x 440mm x 182mm
weight	≤ 100kg
System power supply	AC220V/600W
port	RJ45/1 100 Gigabit Ethernet (UDP)
Working environment	Operating temperature: -40°C ~ 55°C; Storage temperature: -45°C ~ 65°C; With rain and dust prevention and sand control measures; It has measures such as moisture proof, salt spray prevention and mildew prevention
Note: 1) Detection range conditions: for drones with radial velocity not less than 0.5m/s, the false alarm probability is 10 <sup>-6</sup> , and the discovery probability is 0.8; 2) The typical target of the UAV is DJI "Genie 3".	

## Usage scenario



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