

Drone Detection Radar

SZMD-DK223



Key Features

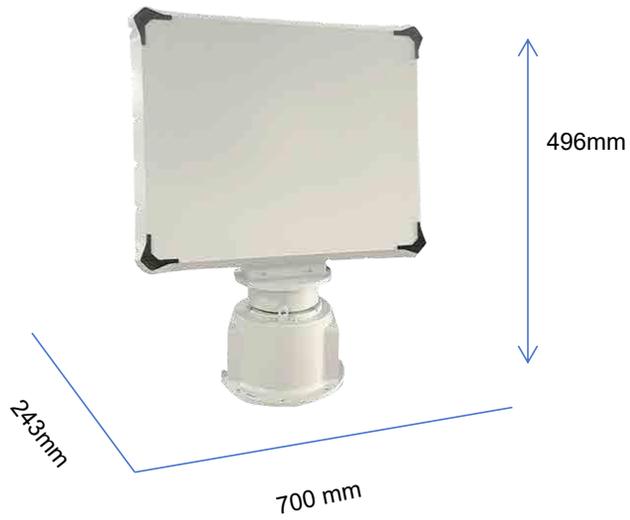


- All-solid one-dimensional phased array + azimuth machine sweep, covering a wide range of airspace;
- X / Ku dual-frequency band, good low-altitude detection performance, excellent anti-interference ability;
- Long detection distance to the ground and low-altitude targets, high accuracy;
- High reliability 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

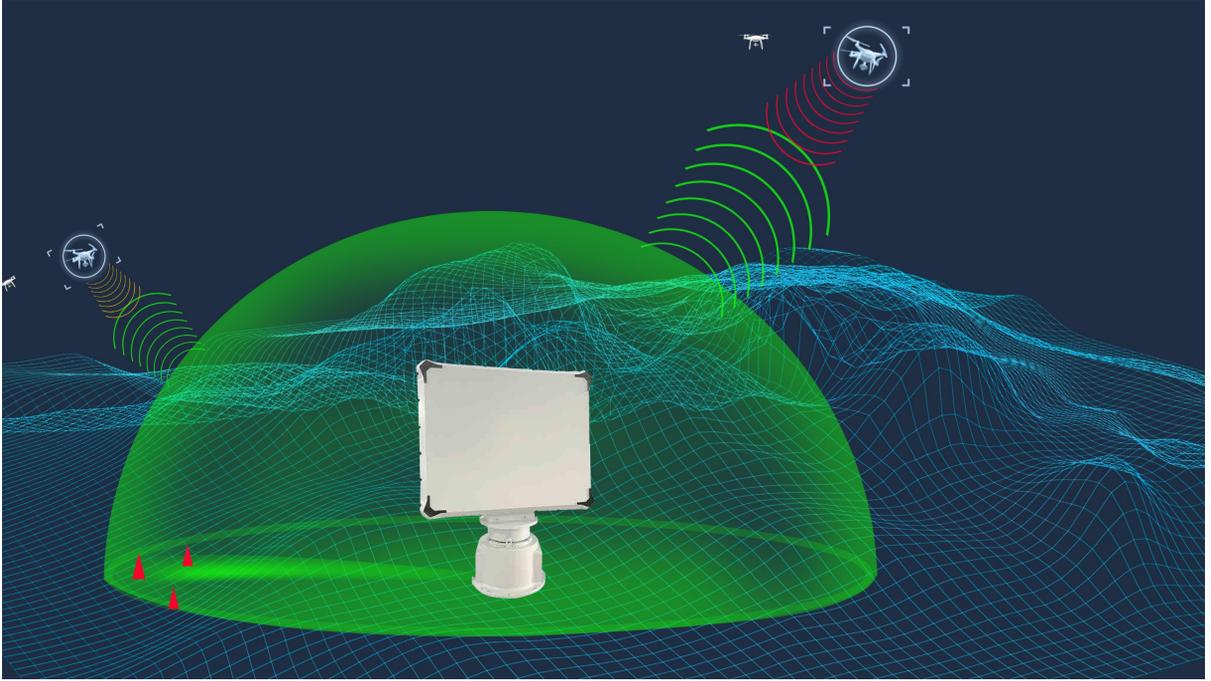
Technical parameter	SZMD-DK223 (X-band)	SZMD-DK223 (S-band)	SZMD-DK223 (C-band)
Working system	Phased array system (azimuth scanning + pitch scanning)	Phased array system (azimuth scanning + pitch scanning)	Phased array system (azimuth scanning + pitch scanning)
Operating frequency band	X-band	S-band	CC-band
Effective detection power (UAV)	100m~2.0km	150m~5.0km	100m~1.5km
Azimuth coverage	0°~360°	0°~360°	0°~360°
Elevation covering	0°~40°	0°~40°	0°~30°
Detection velocity	0.5m/s ~ 30m/s	0.5m/s ~ 45m/s	0.5m/s ~ 30m/s
Spatial-Angle accuracy	≤ 1.0°	≤ 1.0°	≤ 1.0°
Data rate	Better than 4s/ lap	Better than 4s/ turn to 6s/ turn	Better than 5s/ lap
Data interface	RJ45/1 100 Mbit Ethernet	RJ45/1 100 Mbit Ethernet	RJ45/1 100 Mbit Ethernet
Power source	≤200W (Power-consumption) 220V (input)	≤160W (Power-consumption) 220V (input)	≤90WAC (Power-consumption) 220V (input)
Operating temperature	-40°C ~ 55°C	-40°C ~ 55°C	-40°C ~ 55°C
weight	≤43.0kg	≤60.0kg	≤22.0kg
Product-size (L*W*H)	700*243*496mm	782*434*882mm	407*244*485mm

Equipment size



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

Usage scenario



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