



Air Surveillance Radar

ASR 223R-1C1K-3D / C Band

A223R-1C1K-3D, C Band Adopting DBF technology, can directly control the amplitude and phase of each radiation unit through digital means, flexibly generating beams and beam pointing of various shapes.

Features

- High data rate and high positioning accuracy;
- Multi-Input Multi-Output (MIMO) system
- All-weather adaptability

Item	Specification
Working system/mode	Phased array system (Azimuth scanning + Elevation phase scanning) Pulse Doppler
Working frequency	C band (5.5-5.8GHz)
Detection range	1.5km (DJI Phantom 3/4; Mavic RCS≈0.01m ²)
Minimum detection range	≤100m
Azimuth coverage	Single panel rotation scanning : 90°/ 0°- 360°
Elevation coverage	30°
Distance accuracy	≤10m
Azimuth Accuracy	≤1.0°
Pitch Accuracy	≤1.0°
Target detection speed	0.2m/s - 25m/s
Speed precision	≤0.2m/s
Data rate	≤0.2s
Peak Output	4W/Panel
Net weight	4.8kg (panel) / ≤34kg (with PTZ)
Power supply	AC220V/40W
Interface	Ethernet (UDP protocol)
Dimension	423mm X 330mm X 590mm
Work/Storage temperature	-40 °C ~ +55 °C / -45 °C ~ +65 °C
Working Environment	Rain-proof; Dust Prevention; Sand-prevention; Moisture-proof, Mould-proof and Salt-proof



Application: Airports, military bases, border areas and other key areas security surveillance