

Air Surveillance Radar

ASR 223-1C1K / C band



ASR 223-1C1K, 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

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



Item	Specification
Working mode	Phased array + Pulse Doppler
Working frequency	C band (5.5-5.8GHz)
Detection range	1.2km (DJI Phantom 3/4、"Mavic", RCS≈0.01m ²)
Minimum detection range	≤100m
Azimuth coverage	Single panel : 90° (Dual panel:180°, 3-panel:270°, 4-panel:360°)
Elevation coverage	40°
Distance accuracy	≤10m
Azimuth Accuracy	≤1.0°
Target detection speed	0.2m/s - 25m/s
Speed precision	≤0.2m/s
Data rate	≤1.5s
Peak Output	4W/Panel
Net weight	≤10kg
Power supply	AC220V/40W
Interface	Ethernet (UDP protocol)
Dimension	445mm X 300mm X 400mm
Working temperature	-40 °C ~ +60 °C
Working Environment	Rain-proof; Dust Prevention; Sand-prevention; Moisture-proof, Mold-proof and Salt-proof