



# Air Surveillance Radar

## ASR 223-5C1K-3D / C band

**ASR 223-5C1K-3D** is a security surveillance radar, which is the same type of radar as ASR 223-1C1K which is a phased array radar with advanced technology and stable performance developed for the detection of low flying drones. The difference is that ASR 223-1C1K is a single-array radar, while ASR 223-5C1K-3D is a four-array radar, as well as equipped with height finding radar.

### 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 <sup>2</sup> )
Minimum detection range	≤100m
Azimuth coverage	4-panel: 360°+ ( Height Detection Radar 3D)
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	≤70kg
Power supply	AC220V/250W
Interface	Ethernet (UDP protocol)
Dimension	725mm X 725mm X 735 mm (2D) 725mm X 725mm X 1400 mm (3D)
Working temperature	-40 °C ~ +60 °C
Working Environment	Rain-proof; Dust Prevention; Sand-prevention; Moisture-proof, Mould-proof and Salt-proof

