

Air Surveillance Radar

ASR 223-4C1K-3D / C Band



ASR 223-4C1K-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 223-4C1K-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

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 \approx 0.01m²)

Minimum detection range: \leq 100m

Azimuth coverage: 4-panel: 360°+ (Height Detection Radar 3D)

Elevation coverage: 40°

Distance accuracy: \leq 10m

Azimuth Accuracy: \leq 1.0°

Target detection speed: 0.2m/s - 25m/s

Speed precision: \leq 0.2m/s

Data rate: \leq 1.5s

Peak Output: 4W/Panel

Net weight: \leq 70kg

Power supply: AC220V/250W

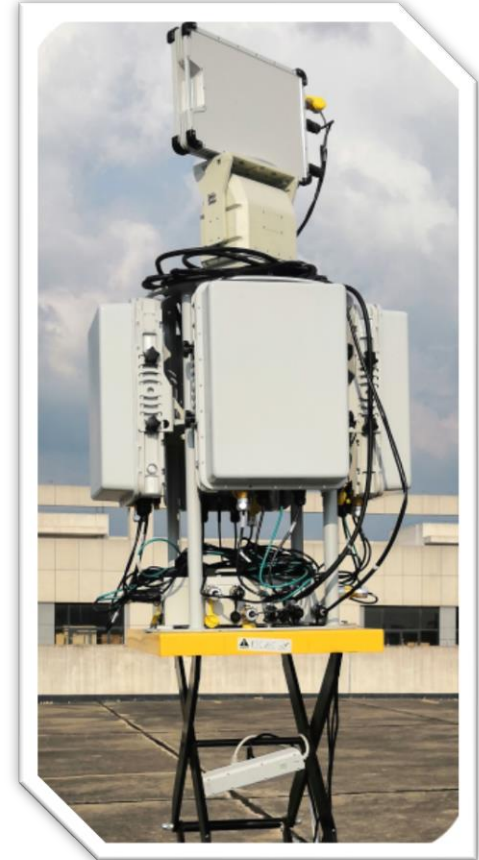
Interface: Ethernet (UDP protocol)

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, Mold-proof and Salt-proof



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