

Ground Surveillance Radar

GSR 215-1C / C Band



GSR 215-1C is a phased array radar with advanced technology and stable performance to realize the detection of moving targets on the ground.

Features

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

Application: Border, oil field, prison and other key areas security surveillance.

Item	Specification
Working mode	Phased array + Pulse Doppler
Working frequency	C band (5.5-5.8GHz)
Detection range	2.5km (Pedestrians) / 5km (Vehicles)
Minimum detection range	≤100m
Azimuth coverage	Single panel: 90° (Dual panel:180° , 3-panel:270° , 4-panel:360°)
Elevation coverage	9°
Distance accuracy	≤10m
Azimuth Accuracy	≤1.0°
Target detection speed	0.2m/s - 30m/s
Speed precision	≤0.2m/s
Data rate	≤1.5s
Net weight	≤4.8kg
Power supply	AC220V/40W (Single panel)
Interface	Ethernet (UDP protocol)
Dimension	432mm x324mm x 79mm
Working temperature	-40 °C ~ +60 °C
Working Environment	Rain-proof; Dust Prevention; Sand-prevention; Moisture-proof, Mould-proof and Salt-proof

