

Portable Backpack Surveillance Radar

GCA-501P-1C / C Band



GCA-501P-1C is portable backpack type radar.

For Checkpoint, prison, reservoir, perimeter security, oil field, etc.

It adopts modular design, with simple structure, convenient installation, no wiring, simple and fast erection.

The radar outputs target position and characteristic information to the supporting display and control system through wireless transmission module.

The terminal software is simple to operate, easy to learn and easy to use

- Backpack portable design
- High data rate and high positioning accuracy
- Built-in GPS Positioning directional antenna
- All-weather adaptability
- Tablet with Window 10
- Rechargeable battery



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Item	Specification
Working mode	Phased array + Pulse Doppler
Working frequency	C band (5.5-5.8GHz)
Detection range	1-1.5km (Pedestrians) 3km (Vehicles/Ship) 5km (Vessel)
Minimum detection range	≤100m
Azimuth coverage	Single panel : 90°
Elevation coverage	18°
Distance accuracy	≤10m
Azimuth Accuracy	≤1.0°
Target detection speed	0.5m/s - 30m/s
Speed precision	≤0.2m/s (Radial velocity)
Data rate	≤1s/Frame
Weight	≤18kg
Endurance (Normal temperature)	Terminal endurance ≥5h Radar array endurance ≥5h
Interface	Wireless transmission (open 1km) RJ45 network port transmission (with 3M network cable)
Dimension	490mm x 340mm x 240mm
Working temperature	Operating temperature: - 20 °C ~ + 55 °C; Storage temperature: - 30 °C ~ + 65 °C; Rain proof, dust-proof and sand control measures shall be taken; With moisture-proof, mildew proof and other measures;