

5KM Detection distance

Counter-UAV-Radar



Key Features

- 3D mechanical scanning radar, Multi group Sum beam Difference beam.
- Improves the "low small slow" target detection capability while reducing the radar's transmit power at the same discovery distance.
- Distinguish between ground and air targets.
- Can work around the clock in harsh environments.
- Multi-point operating frequency, using the same-frequency interference suppression technology to avoid co-channel interference.

Technical parameters

Model	Radar-YFR-01C
Overview	
Wave band	Ku
Process technology	chirp
Scan method	Azimuth machine scan+Euler frequency scan
Weight	≤23kg
Size	610×450×270(mm)
Power consumption	≤160W
Basic detection performance	
Display range	0.075~20km
Azimuth angle	0°-360° scan
Euler angles	0°-40°
Measurement dimension	Distance / Azimuth angle / Euler angles / Speed
Detection distance	
Mini UAV (RCS=0.01m ²)	5Km
Detection accuracy	
Distance accuracy	≤8m
Azimuth accuracy	≤0.8°
Euler accuracy	≤0.5°
Resolving power	
Detection Resolving power	≤20m
Azimuth Resolving power	≤2.5°
Euler Resolving power	≤4°
Data process capacity	

Track method	TWS / continuous track
Number of track targets	No less than 200
Map data	Stackable map



Counter-UAV-System

