5KM Detection distance

Counter-UAV-Radar



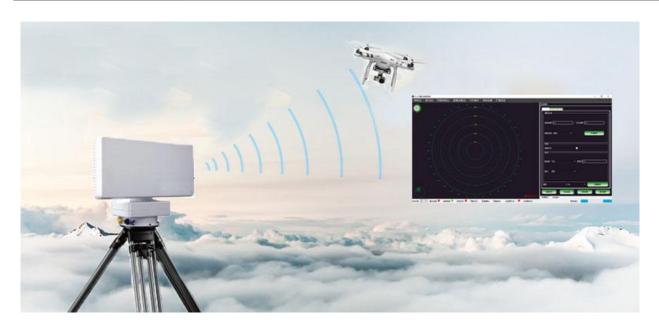


- 3D mechanical scanning radar, Multi group Sum beam
 Difference beam.
- Improves the "low small slow" target detection capability while reducing the radar's transmit power at the same discovery distance.
- Distinguish between ground and air targets.
- Can work around the clock in harsh environments.
- 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=0.01m²)	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

