

# 3KM 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.

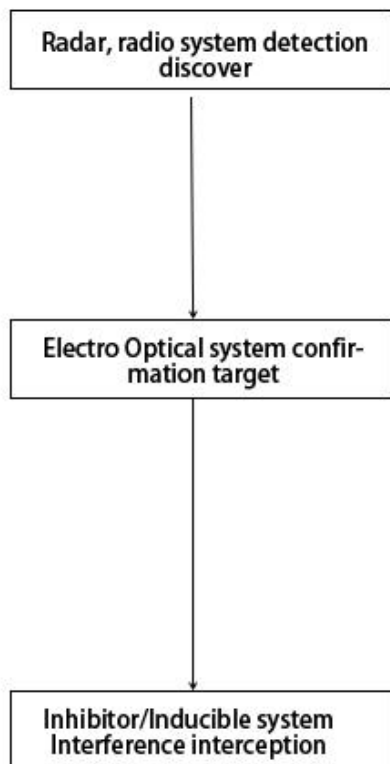
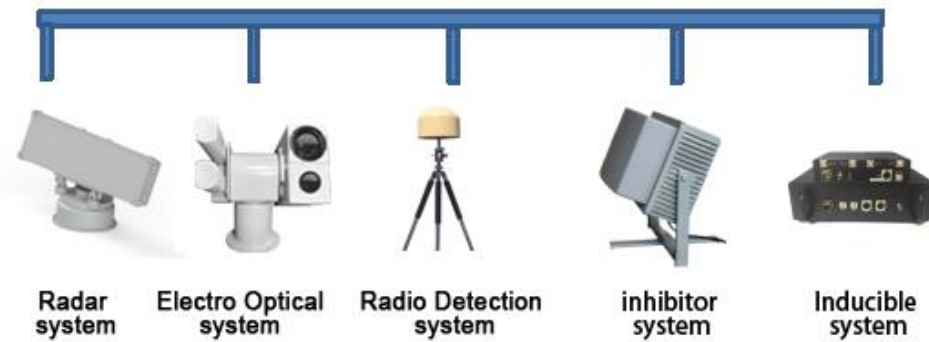
### Technical parameters

Model	Radar-YFR-01B
<b>Overview</b>	
Wave band	Ku
Process technology	chirp
Scan method	Azimuth machine scan+Euler frequency scan
Weight	≤18kg
Size	570×375×210(mm)
Power consumption	≤160W
<b>Basic detection performance</b>	
Display range	0.075~20km
Azimuth angle	0°-360° scan
Euler angles	0°-40°
Measurement dimension	Distance / Azimuth angle / Euler angles / Speed
<b>Detection distance</b>	
Mini UAV (RCS=0.01m <sup>2</sup> )	3Km
<b>Detection accuracy</b>	
Distance accuracy	≤8m
Azimuth accuracy	≤0.8°
Euler accuracy	≤0.6°
<b>Resolving power</b>	
Detection Resolving power	≤20m
Azimuth Resolving power	≤2.5°
Euler Resolving power	≤5°
<b>Data process capacity</b>	

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



### Counter-UAV-System



- ✓ 3KM/5KM Mini Drone
- ✓ 24H all day operation
- ✓ Video linkage track capture
- ✓ Real-time display in the background
- ✓ Target intelligent detection/recognition
- ✓ Eliminate interference, low false positives
- ✓ Video pop-up, intrusion real-time alarm
- ✓ Interference-inducing device linkage
- ✓ Event query