

ZY-JKFZ-TDS004 UAV Radar

- Sector/cycle scan detection according to control area
- Detect the target's range, bearing, altitude, speed, and flight direction
- Acquire the target signal effectively, filter interference target
- Real-time display of working status and scanning area
- The electronic map shows the target's flight track and position in real time
- Multiple target detection, single target lock tracking
- Filter area whitelist
- Fast switching scanning task, accurate guidance of photoelectric, interference and other equipment
- Radar photoelectric data fusion, high precision positioning
- Playback of radar detection history information
- Equipment self-check, abnormal report
- Standard interfaces and protocols for secondary development components



Product Description

ZY-JKFZ-TDS004 UAV Radar is a low-power detection Radar developed for "low, slow and small" targets. It is used for remote detection and detection of sensitive airspace, providing accurate three-dimensional position information of the target, and achieving full coverage of the surveillance area of 360°.

The UAV detection radar is a special coded continuous wave system, mechanical scanning three-coordinate radar, with low transmission power, high detection resolution, long operating distance, strong anti-interference ability, good portability and other characteristics, suitable for all-weather, all-day, complex electromagnetic environment and geographical conditions, can work continuously and steadily 7*24 hours.

Product Parameters

Detection range.....	4km (RCS: 0.01 m ²); 7km (RCS: 0.01 m ²); 10km (RCS: 0.01 m ²)
Peak power.....	≤8w
Working frequency band.....	Ku
Azimuth coverage (horizontal).....	0~360°
Pitching cover (vertical).....	-30~70°
Detection target velocity.....	0.2~90m/s
Detection range accuracy.....	3m
Detection speed accuracy.....	0.1m/s
Azimuth accuracy.....	1°
Pitch Angle accuracy.....	2°
Power consumption.....	150W
Power supply.....	AC220V/50Hz

Working Environment

Working Temperature.....-30℃~65℃

General Specification

Dimensions(L×W×H).....640mm×230mm×740mm

Installation.....Fixed/portable/vehicle-mounted