

## Y02 Radar Detection System

### Description

This is a three-coordinate pulse Doppler radar with azimuth scan and pitch phase scan, which is mainly used for detecting and positioning low-altitude aircraft. Low-altitude detection radar can obtain target's spatial position, movement status, RCS, target type, etc., in real time, including multi-rotor drones, fixed-wing drones, FPV, cruise missiles swarms, etc.



### Features

- Three-dimensional radar
- Fast scanning and multi-target processing capability
- It has excellent anti-jamming performance
- The azimuth scan and the pitch scan are combined
- Fixed installation or vehicle installation

### Application

- Border defense
- Camp protection
- Key security area
- Base security

### Specification

Parameter	Parameter values
Product model	Y02
Radar band	X
Detection range	5Km(Typical target: DJI Phantom 4)
Minimum detectable target velocity	1m/s
Blind range	≤200m
Target capacity	≥500
Azimuth range	360°
Elevation range	40°
Azimuth accuracy	≤0.6°
Elevation accuracy	≤0.6°
Distance accuracy	≤10m
Power supply	AC 220V
Total power	≤220W
Communication interface	RJ45
Communication protocol	UDP
Protection level	IP65
Working temperature	-40℃ to 60℃
Host dimension	≤850mm×330mm×440mm
Host weight	≤30Kg