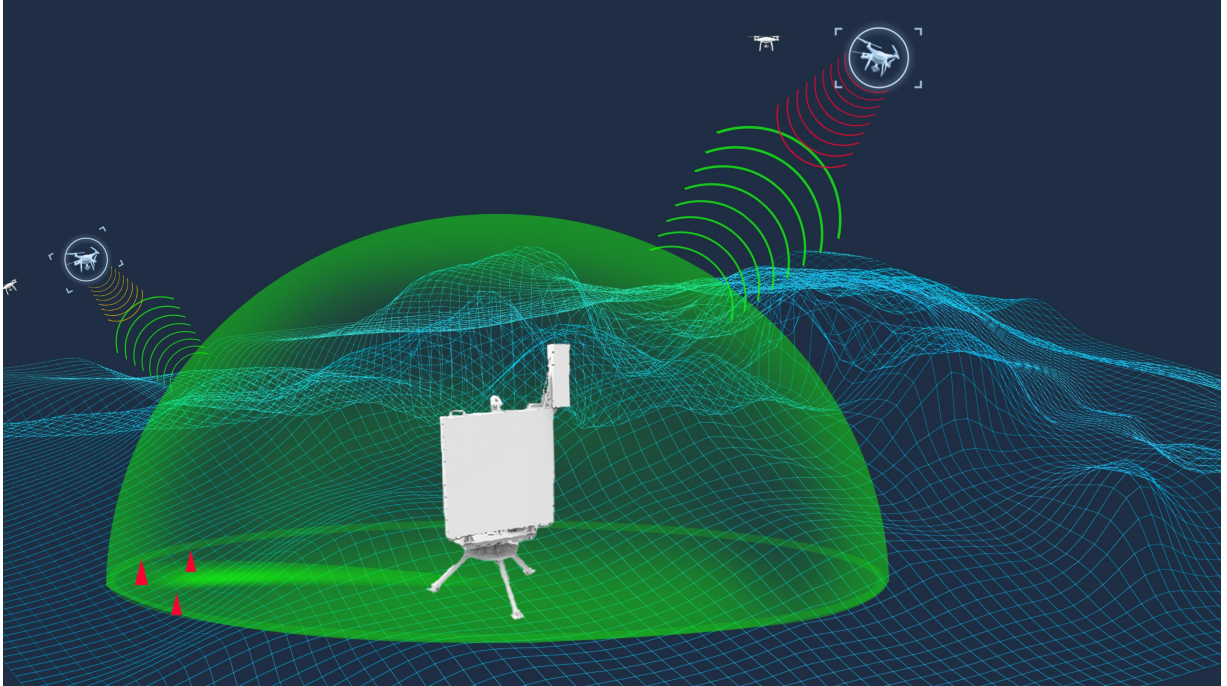# Drone Detection Radar

SZMD-BF8S

Key Features

- Simultaneous Multi-Target Detection tracks multiple targets simultaneously with no loss of accuracy, suitable for swarm and split targets, and detects air and ground (sea) targets without switching modes.

- Simultaneous Multi-Functionality allows interference reconnaissance and active detection to work concurrently, enabling narrowband detection, wideband imaging, and identification.

- Adaptive Accumulation Time adjusts based on target distance to achieve different "data update" times, providing functionalities for long-range, medium-range, and short-range monitoring.

- Support for Sub-Aperture Division within the array, allowing different apertures to perform different functions and enabling power management.

- Integrated Active and Passive Detection combines active and passive methods using cooperative information sources, offering high detection and identification capabilities.

- Intelligent Environmental Awareness includes intelligent perception of target characteristics, clutter characteristics, and interference characteristics.

Specifications

product name	The SZMD-BF8S holographic gaze detection radar
Work frequency band	L/S, two waveband
Maximum detection height	(Single large bird or flock) 5km
detection range	UAV: 10km, RCS = 0.01 ㎡ Pigeon 7km, RCS = 0.0038 ㎡ Sparrow 3km, RCS = 0.0016 ㎡
Detection distance accuracy	＜10m
transmitting power	＜50W
It also tracks the number of targets	1000 Endynia
Detection speed	0.5 m/s-100 m/s (scalable)
Zimuth accuracy	≤0.5°
Azimuth cover	≥90°
Pitch cover	≥30°
data transfer rate	≥1HZ
power dissipation	≤400W

Usage scenario

*Please refer to the actual product. The equipment provides different customized styles.