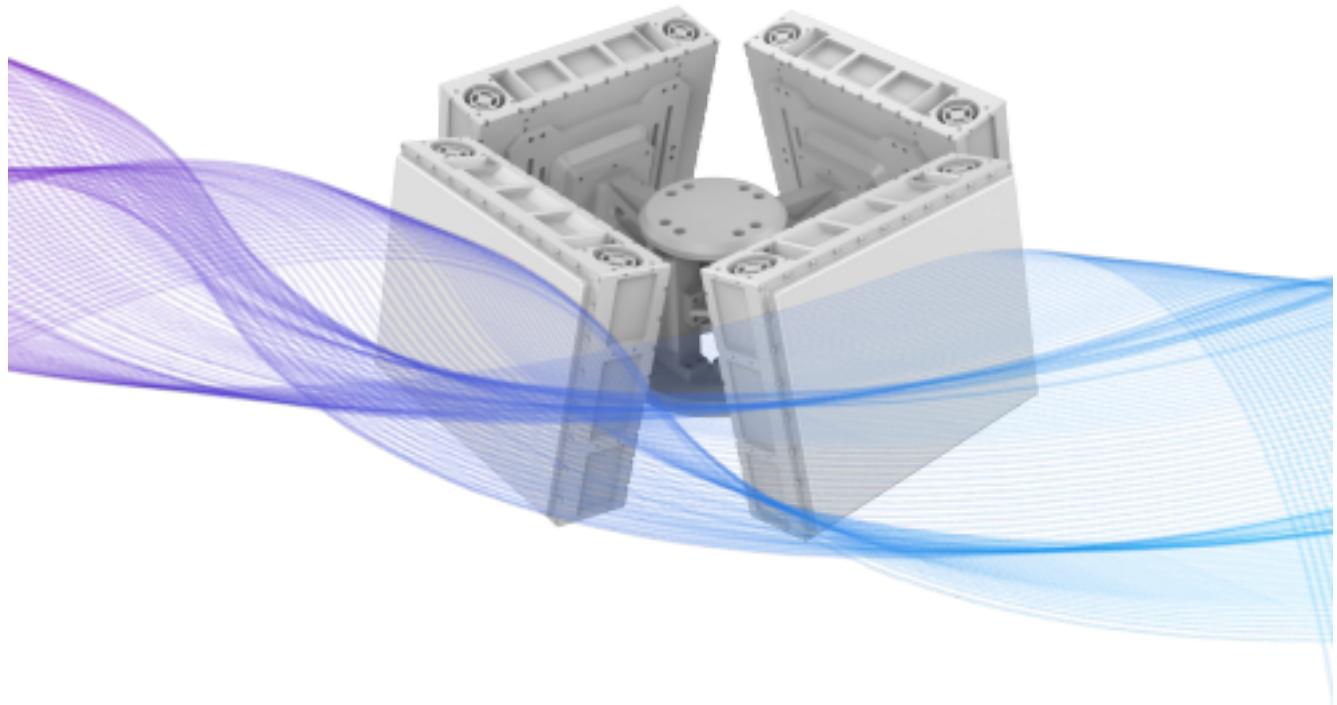


HR-6000PA Four-sided phased array radar



Product series

□ Product Introduction

The four-sided phased array radar can realize TAS tracking functions for targets such as drones and flying birds, and has high-precision real-time multi-target tracking and synchronous full-airspace search capabilities. It can be widely used in the security of key locations such as airports, ports, oil fields, and nuclear power plants.

□ Technical indicators

Operating frequency	Ku-Band
Technical system	2D phased array three-coordinate
Scanning method	2D Phase Scanning
Detection distance	$\geq 5.0\text{km}@\text{search}$ (RCS=0.01m ²) & $\geq 8\text{km}@\text{search}$ (medium and large drones) $\geq 6.0\text{km}@\text{track}$ (RCS=0.01m ²) & $\geq 12\text{km}@\text{track}$ (medium and large drones)
Detection range	360° @direction 30°@search pitch, 70°@tracking pitch
Distance Error	$\leq 10\text{m}@\text{search}$, $\leq 10\text{m}@\text{track}$
Azimuth error	$\leq 0.5^\circ @\text{search}$, $\leq 0.3^\circ @\text{track}$
Pitch error	$\leq 0.5^\circ @\text{search}$, $\leq 0.4^\circ @\text{track}$
Target capacity	$\geq 256 @\text{search}$, $\geq 16 @\text{track}$
Speed range	1~80m/s
Data rate	4s@search, 0.5s@track
weight	Single array weight $\leq 25\text{kg}$
Dimensions	Single array size: 465mm (length) \times 300mm (width) \times 140mm (height)
Information interface	Ethernet
Power supply	AC220V/50Hz
Power	2000W

consumption	
Installation method	Fixed, vehicle-mounted, tripod-mounted