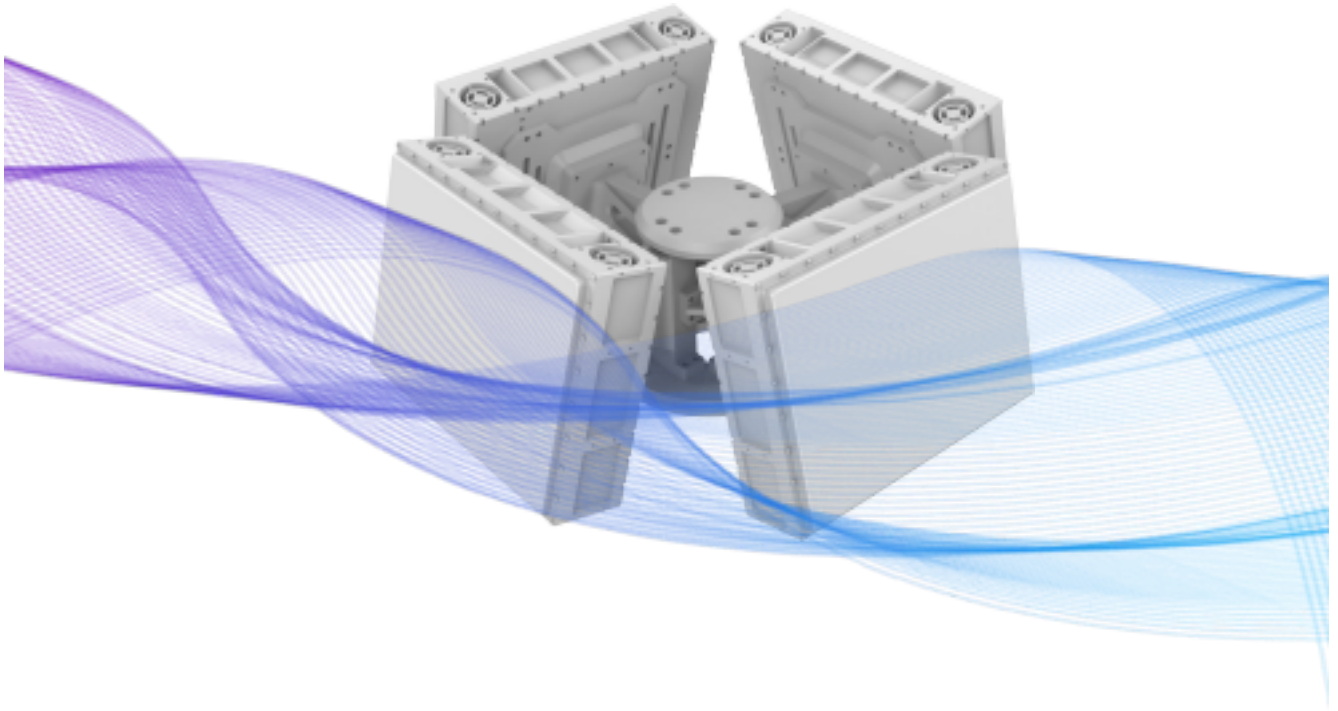


HR-6000PA Four-sided phased array radar



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	≥5.0km@search (RCS=0.01m ²) & ≥8km@search (medium and large drones) ≥6.0km@track (RCS=0.01m ²) & ≥12km@track (medium and large drones)
Detection range	360° @direction 30°@search pitch, 70°@tracking pitch
Distance Error	≤10m@search, ≤10m@track
Azimuth error	≤0.5°@search, ≤0.3°@track
Pitch error	≤0.5°@search, ≤0.4°@track
Target capacity	≥256@search, ≥16@track
Speed range	1~80m/s
Data rate	4s@search, 0.5s@track
weight	Single array weight ≤ 25kg
Dimensions	Single array size: 465mm (length) × 300mm (width) × 140mm (height)
Information interface	Ethernet
Power supply	AC220V/50Hz
Power	2000W

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