RT10 Low-Altitude Surveillance Radar

Technical Parameters

序号	Item	Sub-item	Specification
1	Operating Frequency Band		X
2	Spatial Coverage	Elevation	
		Azimuth	
		Range	
		Blind Zone	
		Height	
3	Detection Capability	Small Rotor UAV (RCS=0.01m²)	
		Medium Fixed-wing UAV (RCS=1m²)	
		Personnel	
		Helicopters, Vehicles	
4	Measurement Accuracy	Distance	
		Azimuth Angle	
		Elevation Angle	
5	Antenna Rotation Speed		20rpm(3s), 30rpm(2s), 60rpm(1s, upgradable)
6	Simultaneous Tracking Targets		≥200
7	Tracking Speed Range		1m/s ~ 150m/s

Interface & Power Supply

序号	Item	Specification
1	Power Supply	
2	Communication	
3	Power Consumption	

Environmental Adaptability

序号	Item	Specification
1	Operating Temperature	
2	Operating Humidity	
3	Protection Class	

Weight & Dimensions

序号	Item	Sub-item	Weight (kg)
1	Weight	Main Unit (single)	
		Turntable (single)	
		Tripod (single)	
		Main Unit (packaged)	
		Turntable (packaged)	
		Tripod (packaged)	

序号	Item	Sub-item	Dimensions (mm)
2	Dimensions	Main Unit (single)	
		Turntable (single)	
		Tripod (single)	
		Main Unit (packaged)	
		Turntable (packaged)	
		Tripod (packaged)	

The RT10 low-altitude surveillance radar is a high-performance system designed to accurately identify and continuously track low-altitude targets such as aircraft, UAVs, birds, and loitering munitions, while also monitoring ground and surface targets, providing key data for low-altitude situational awareness . It deeply integrates digital beamforming (DBF) technology, offering high measurement accuracy, strong multi-target processing capability, and excellent anti-jamming performance to ensure stable and reliable operation even in complex electromagnetic and meteorological environments . This radar is widely used in air traffic control, protection of key facilities, low-altitude economy, airport bird detection, battlefield "anti-UAV" operations, border

and coastal defense, etc., serving as a key technical equipment for safeguarding national airspace security and maintaining low-altitude order .