

Radar Thunder X-10

PRODUCT OVERVIEW

The 10km Phased Array model Thunder X-10, is engineered specifically for (LSS) targets.

Adopting a four-faced configuration leveraging the micro Doppler edge technologies such as micro Doppler recognition algorithms. It enables round-the-clock and classification of various wing UAVs, and birds.

Designed to adapt to two core deployment scenarios – fixed installation and vehicle-mounted mobile deployment – this radar offers versatile application capabilities.

It can provide long-term fixed security surveillance for critical locations and key security areas, while also being mountable on various mobile platforms to fulfill on-the-go detection and temporary defense tasks.

With a highly integrated and modular design, the radar supports quick disassembly, rapid deployment, and easy replacement, allowing it to flexibly meet the requirements of different installation environments and mission objectives.



etection Radar, fully digital radar system, high-speed, and small-sized.

onfiguration and radar integrates cutting-edge tracking, and intelligent

ce detection, tracking, multi-rotor UAVs, fixed-

TECHNICAL SPECIFICATIONS

System Attribute	Parameter
Frequency	X-band with Micro Doppler
Target Detection	≥ 10Km (RCS:0.01m ²) (Ex: DJI PHANTOM 4)
Azimuth Coverage	360°
Elevation Coverage	0-90°
Velocity Coverage	0.5m/s-100m/s
Simultaneous Tracking	≥ 40 Targets (continuous and automatic)

Data Rate	Search: 5s, Tracking: 0.5s
Accuracy	Range:10m, Azimuth: 0.3°, Elevation: 0.3°
Blind Zone	150m
Weight	125kg
Power Supply	24V/220V
Power Consumption	3500W
Dimensions	600x315x113mm (Single array)
Protection Standard	IP65 (Certified by Manufacturer)
Frequency Compliance	Comply with Electromagnetic Compatibility (EMC) and Electromagnetic Interference (EMI) (Certified by Manufacturer)
Operating Temperature	-40°C~60°C