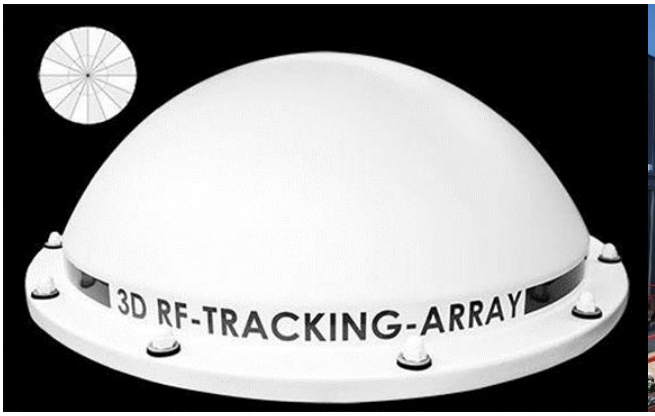
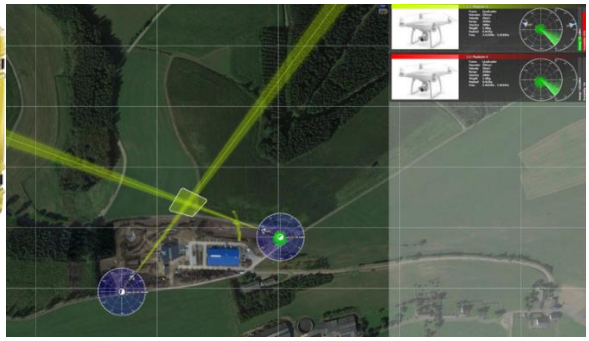
Racing Dynamic Passive Phased Array Radar

The omnidirectional passive phased array radar for fixed point detection is designed to receive signals in all directions. The frequency range of the received signals is covering almost all common bands (400M~6GHz) of UAVs. It can scan at 4THz~48THz, even if there is a drone or the operator moves quickly, and can accurately analyze the position of the target and the operator's position.







Equipment arrangement and information display example

Item	Specifications	Description
Omnidirectional passive phased array radar	● The receiver module can detect NCC (2.4-2.4835 GHz and 5.725-5.875 GHz) and UAV frequency bands of mainland China (800-1400 MHz, 840.5-845 MHz, 1430-1444 MHz, 2408-2440 MHz). It is adjustable in accordance to the channels of reconnaissance and surveillance functions to improve the effectiveness of the search results. It then sent to the display the longitude, latitude and azimuth information of the captured drone. ● Two or more radars that can cross-positioning and detect targets for comparison.	● Receive frequency unsegmented from 400 MHz to 6 GHz ● Longitude, latitude, altitude and azimuth can be calculated after the radar obtains the signal of the target's flight path through the central control system.
Structure and the Control Systems	Can be fixed, vehicle mounted or mobile	A single unit weighs less than 50 kg, can be disassembled and assembled, and can be controlled by a laptop or a mainframe control system
System self-test	Self-function detection during startup and usage	Detect the signal sending and receiving function when starting up