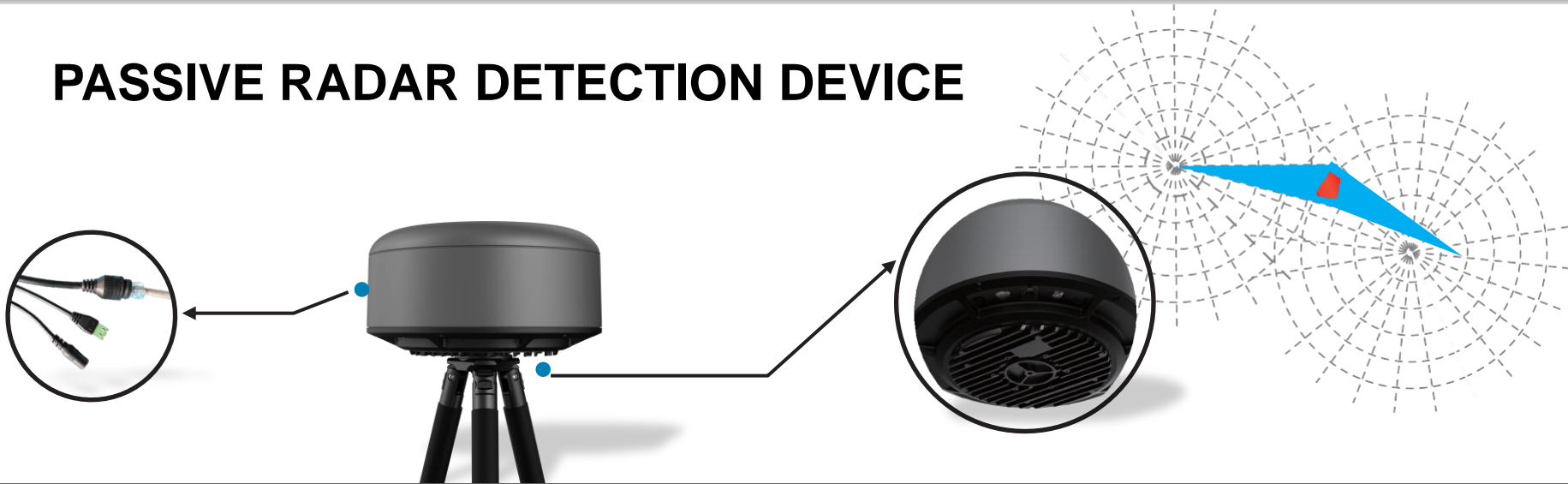


PASSIVE RADAR DETECTION DEVICE



Passive radar detection device is developed to search & detect the moving target in low altitude (100~1000m) and super low altitude (under 100) in all-direction and all-weather.

It can detect the UAV target and early warning by analyzing and recognizing the UAV control signal and data link return signal. What's more, multi-passive radar networking can realize direction and distance measurement for UAV and its controller.

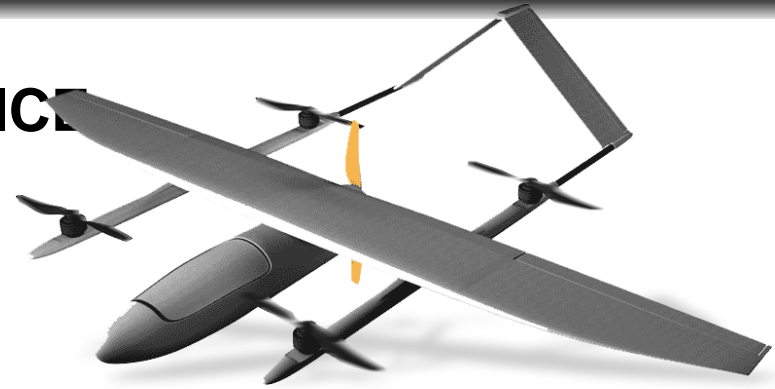
One passive radar can find the UAV direction by detecting its radiation electromagnetic wave signal. Two or more passive radar networking can cross cover a area where working UAV can be located by radiation electromagnetic signal or the control signal under triangulation measurement.

PASSIVE RADAR DETECTION DEVICE

	SC-S3000	SC-S5000	SC-S8000
Detection range	3000m	5000m	8000m
Detecting frequency range	300~6000MHz	300~6000MHz	300~6000MHz
Detection antennafrequency	840-930MHz 2400-2520MHz 5725-5850MHz	840-930MHz 2400-2520MHz 5725-5850MHz	840-930MHz 2400-2520MHz 5725-5850MHz
Detection direction	All direction 360	All direction 360	All direction 360
Detection accuracy	≤5° (RMS)	≤3° (RMS)	≤3° (RMS)
Device dimension	D 455xH 265mm	D470xH250mm	D1200xH400mm
Communication port	LAN	LAN	LAN
Installation method	Fixed installation/ portable tripod installation	Fixed installation/ portable tripod installation	Fixed installation/ portable tripod installation
Deployment/retreat time	≤2min	≤2min	≤2min
Power supply	POE/DC12V	DC 24V	DC 24V
Power consumption	≤10W	≤40W	≤100w
Weight	<5kg	≤10kg	≤30k
Working temperature	-25℃~65℃	-25℃~65℃	0~25℃~65℃
Protection class	IP65	IP65	IP65

Passive radar detection device can be set up by a tripod, which is suitable for temporary security protection for important places. It can also be installed on the commuter to form a dynamic UAV protection area for occasions such as important people travelling, low-altitude security protection of large-scale activities. Passive radar, supporting with the interference device can be fixed to form an anti-UAV system, which caters to all-time & all-weather security protection from black fly UAV protection required by high security level units.

PASSIVE RADAR DETECTION DEVICE



PASSIVE DETECTION

No electromagnetic signals emission, environmental-friendly



STRUCTURAL INTEGRATION

With integrated design, only one data cable is needed to connect the front end device with command center



HIGH REAL-TIME PERFORMANCE, LOW MISSING ALARM RATE

Signal receiving, RF processing, and signal processing are all completed at the front end, which enable the detection data being real-time; unique micro signal identification technology ensures accurate and reliable detection results and greatly reduces false and miss alarm rate



ALL DAY, ALL WEATHER, ALL DIRECTION PROTECTION

Applicable to complex electromagnetic environments and climate, 7x24 hours protection, 360° monitoring in real-time



EASY INSTALLATION, WIDE APPLICATION

Fixed Installation on pole for long term protection for areas demanding high security level;
Installation on Tripod for temporary protection tasks such as important conferences and large events



WHITE LIST FILTERING

Able to distinguish between invasion and non-invasion target



EXTENSIBLE

Multi passive radar networking can cross-locate the target, extend protection scope and improve target location accuracy