

Surveillance Radar



Key area monitoring

Anti-terrorism

Intrusion prevention

Vandal resistant

Anti-theft

Radar Division is an inseparable part of Qingdao Alptec Safety Equipment Co., Ltd., which was established in 2014, with a professional R&D and service team. It focuses on the development and production of microwave radar technology products; through continuous technological innovation, it has developed Surveillance Radar products, which will be used in monitoring key areas and has provided high-reliability, three-dimensional anti-intrusion protection for gas stations, oil depots and mining and refining companies.

The radar division adheres to the company's corporate culture, based on innovation and service, and aims at providing you with professional products and services.

**We aspire to be your
trusted supplier!**

Surveillance Radar

Based on the advanced radar principle, the Surveillance Radar can monitor whether there are objects entering and moving within the cover range of radar. It is usually used for safety protection in key areas, such as gas station tank area, the perimeter of the oil depot, and the first- and second-level risk areas of the oil depot, used to prevent intrusion, thief or destruction.



Controller

Radar sensor

Key area monitoring

Anti-terrorism

Intrusion prevention

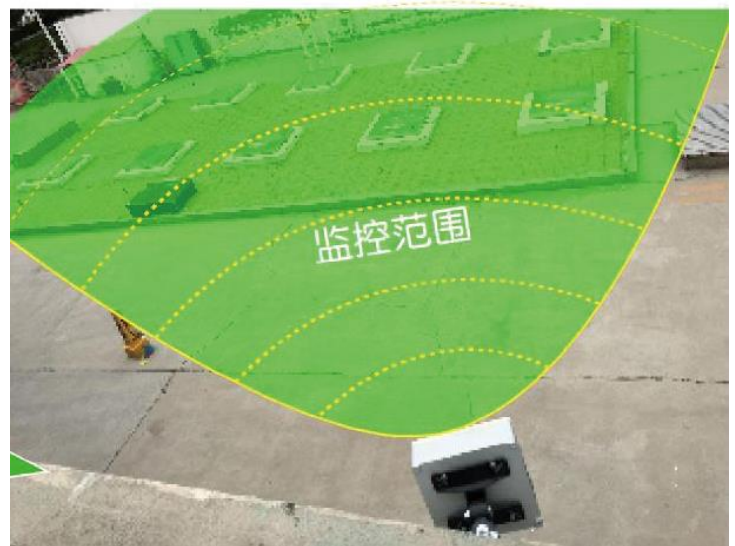
Vandal resistant

Anti-theft

Application place:

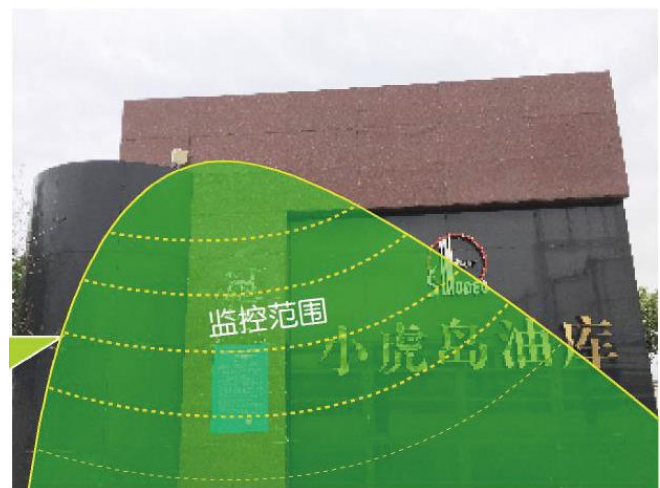
1. Protection of Gas station tank area:

Gas station tank areas are non-operating places, and non-workers should be prohibited from entering, especially shall prohibit the deliberately enter during non-business hours, in order to prevent damage and theft.



2. Protection of key areas of the oil depot:

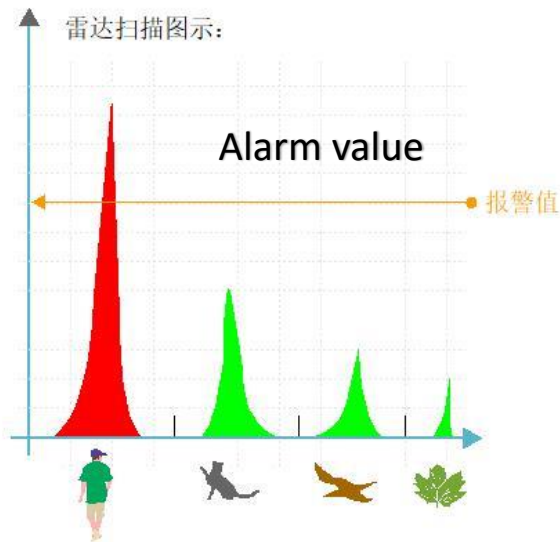
Shall set up intrusion alarm system in first level protection area, such as oil storage tank area, the loading and unloading area for road tankers, the loading and unloading area for rail cars, the water transport



loading and unloading area, the pipeline system, etc.

No false statement

Based on the precise and reliable radar principle



The radar uses a microwave band that does not exist in nature and cannot be triggered by fog, rain, snow or sand. There is no false alarm caused by weather. At the same time, the detection target is only

related to the reflection area of the targets. After setting the predetermined alarm, the small size target cannot trigger the alarm. It cannot be affected by the weather or small objects.



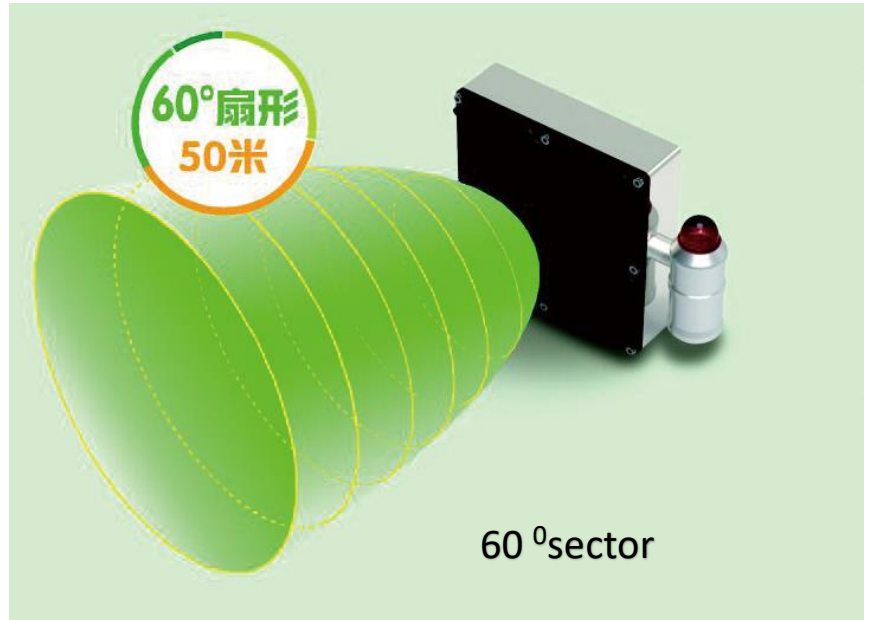
Cannot be affected by smog, south snow, wind and sand

Cannot trigger the alarm by the small size targets

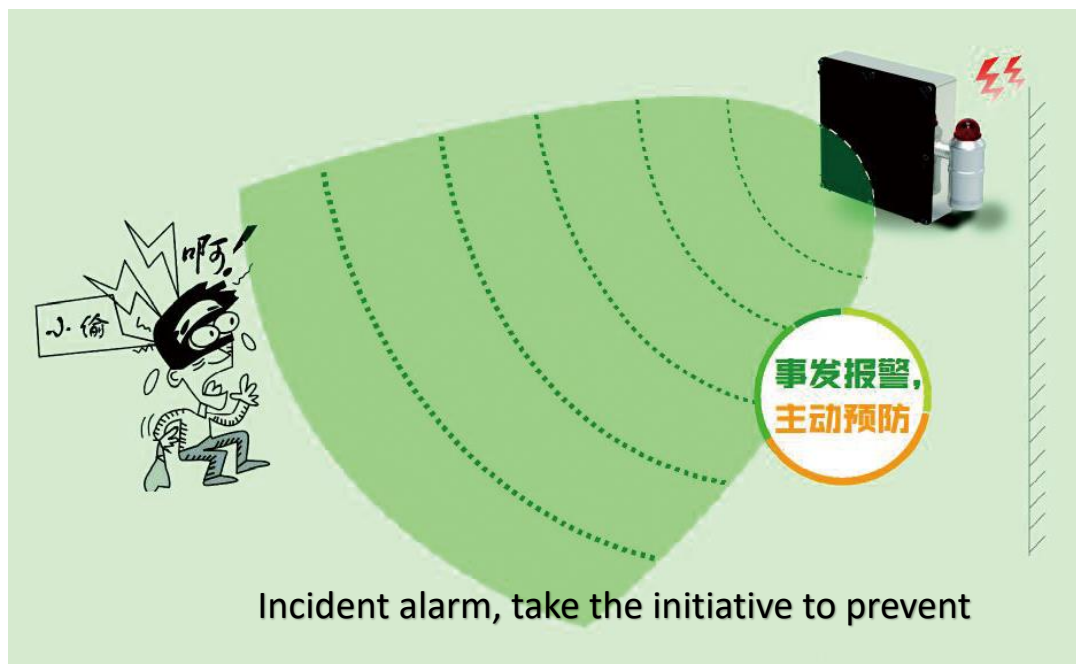
Not missing alarm

Three dimensional monitoring is everywhere

The radar radiation area is a three dimensional area with a certain width and thickness, and the existence and movement of the target can be effectively



detected throughout the coverage; there is no possibility of being traversed, which avoids the missing alarm.





Controller

Can be linked to the video system

Access to safety system

Show current target location



Intelligent voice alarm



Multiple sensors can be connected at the same time



Monitoring area can be set (multi-regional support is supported)



Monitorable time can be set



Reporting records can be stored and queried

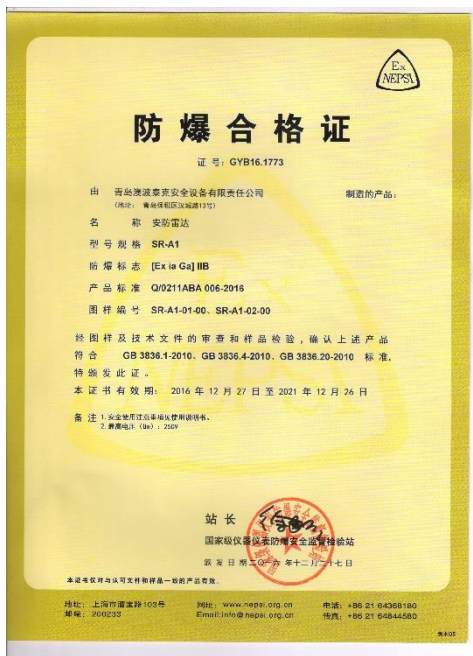


Radar sensor



Audible & Visible alarms at site

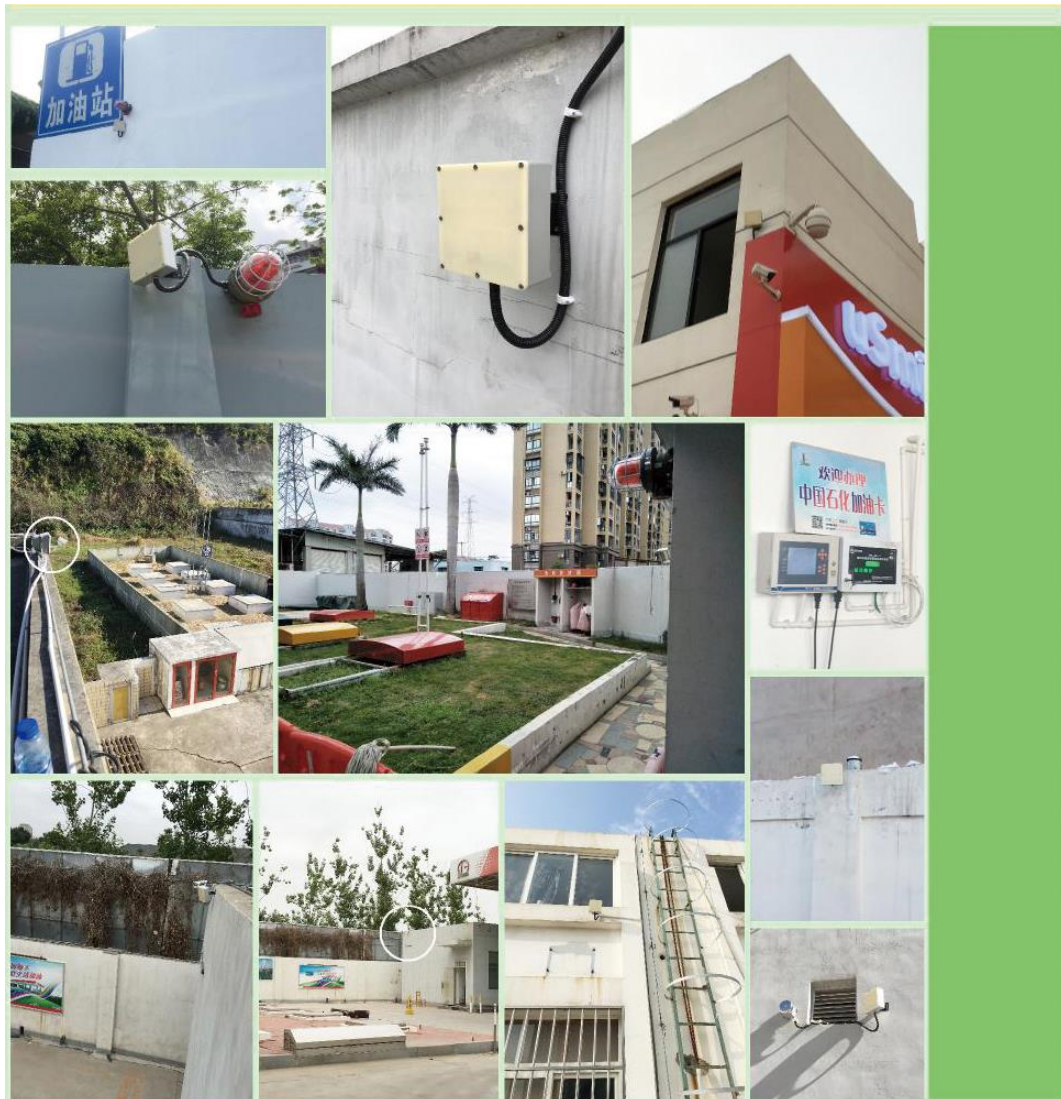
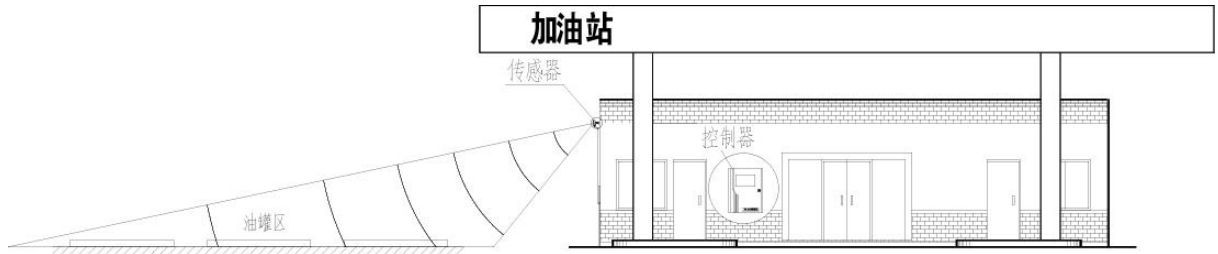
When there is an intrusion, the visible alarm up to 110 will be heard, and the red light flashes, which can effectively shock the criminals and prevent the danger from happening.



Explosion-proof grade

[Ex ia Ga] IIB

Gas station Cases



Compared with infrared radiation products

Among the commonly used anti-intrusion technologies, infrared radiation technology is widely used. Surveillance Radar and infrared radiation products have the following differences due to different technical principles:

	Surveillance Radar	Infrared intrusion detector
Technical principle	Microwave technology	Infrared radiation
Monitoring scope	Regional monitoring, Protect against a "three-dimensional area"	Linear monitoring, Protect against a "line"
Stability	Low false alarm rate, cannot be influenced by the environment and weather, cannot trigger the alarm the small size target	High false alarm rate, can be influenced by weather, and the alarm can be triggered by the small size target
Reliability	Everywhere, Cannot be crossed	Easy to cross
Adaptability	24 hours per day, cannot be affected by rain, snow, fog and light conditions	Can be affected by weather, such as Rain, snow, fog, four, strong light
Explosion-proof certification	[Ex ia Ga] IIB	No

Safety is the purpose, Prevention is the means,

Through the Surveillance Radar,
To achieve warning and protection,
Can deal with dangerous behaviors such as
stealing oil or intrusion and damage,
Therefore, there will be no danger,
infringement or accidents in the protected
area.



Radar Division Focus on petrochemical safety

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