

Sariak

integrity solutions

AdvanceGuard®



Innovative Radar Solutions that Drive Safety, Security and Efficiency

HIGH DEFINITION RADAR SECURITY SOLUTIONS

Distributed architecture for 100% coverage

High reliability and low maintenance

Beyond the perimeter detection

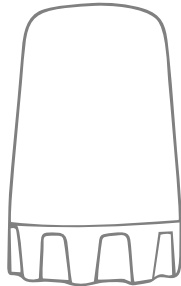
Auto track technology

www.sariak.com

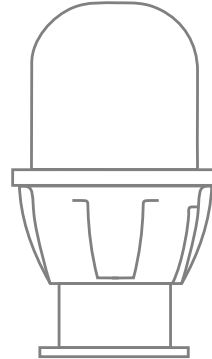
info@sariak.com

SENSOR COVERAGE

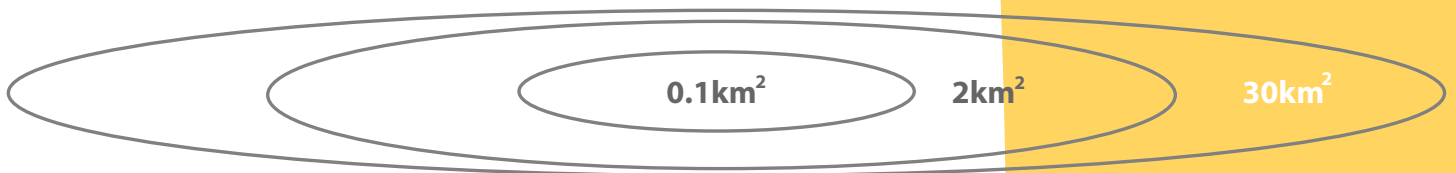
HDR100 Series



HDR200 Series

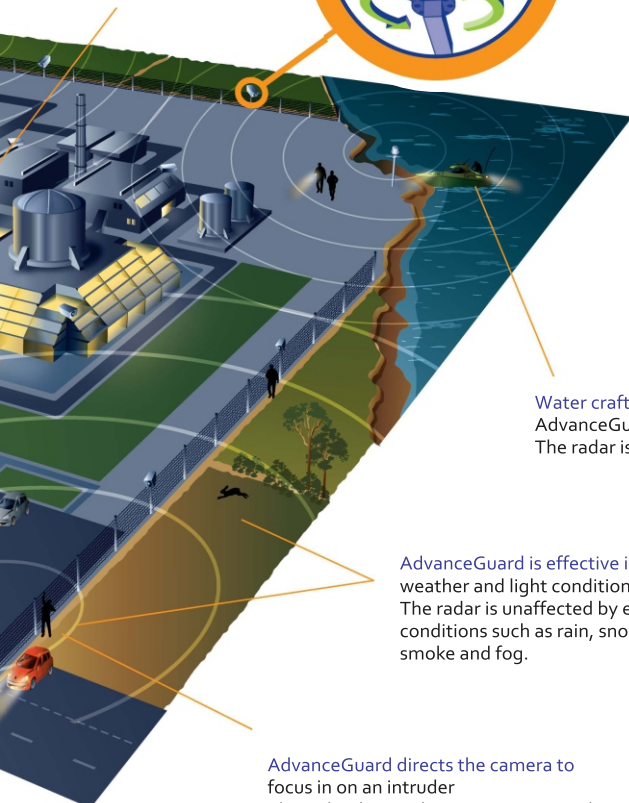


HDR300 Series



AdvanceGuard directs the camera to focus on the PTZ camera where to focus on the intruder or something move within its range.

AdvanceGuard can be installed in any location. It can be mounted in an elevated position to cover large roof spaces.



Water craft detected by AdvanceGuard
The radar is effective over land and water.

AdvanceGuard is effective in all weather and light conditions
The radar is unaffected by environmental conditions such as rain, snow, sunlight, smoke and fog.

AdvanceGuard directs the camera to focus in on an intruder
The radar directs the PTZ camera to where the intruder is detected. This provides continuous monitoring of any incident without requiring operator input.

CAMOUFLAGE OPTIONS

The sight of a high technology security system can be a deterrent in itself. However some installations prefer to hide theirs. For these types of applications, Navtech sensors can be camouflaged using a wide variety of coatings.

Automatic Detection and Camera Control

AN INTEGRATED SYSTEM

AdvanceGuard is a highly intelligent security system that provides continuous automatic surveillance of large areas, both within and outside perimeter fences. The security surveillance system combines high definition radar technology, integrated software and CCTV to provide unsurpassed threat detection and situational awareness. AdvanceGuard is robust, durable and deployable in extreme environments.

SOLUTION FEATURES

EASE OF USE

REAL-TIME TRACKING

LOW FALSE ALARM RATES

AUTO TRACK TECHNOLOGY

RECALL OF TRACK HISTORY

AUTOMATIC 24/7 OPERATION

SCALABLE AND CONFIGURABLE

BEYOND THE PERIMETER DETECTION

COMPLETE SITUATIONAL AWARENESS

Flexible solutions for your security needs

Wildlife

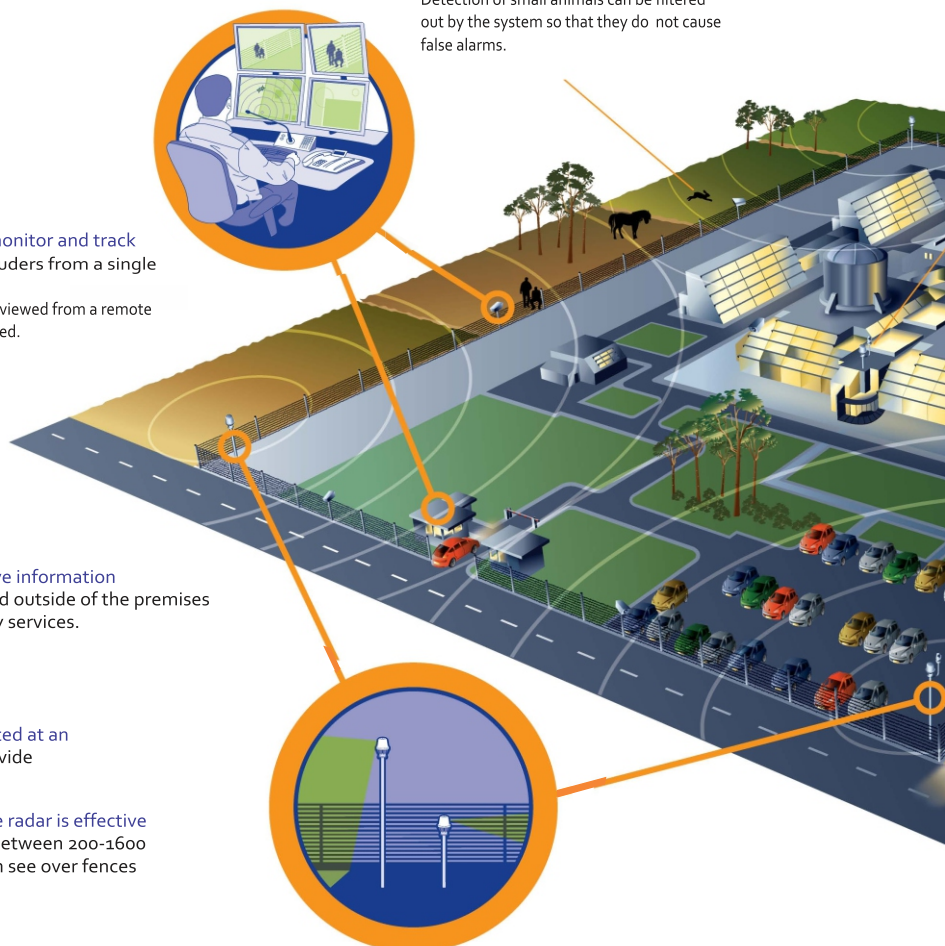
Detection of small animals can be filtered out by the system so that they do not cause false alarms.

Guards can monitor and track potential intruders from a single location
This can also be viewed from a remote location if required.

Security services are given live information images and activity inside and outside of the premises can be relayed to the security services.

AdvanceGuard can be mounted at an elevated position to help provide optimum coverage

Depending on the model, the radar is effective out to a maximum range of between 200-1600 metres in radius so that it can see over fences from inside the site.

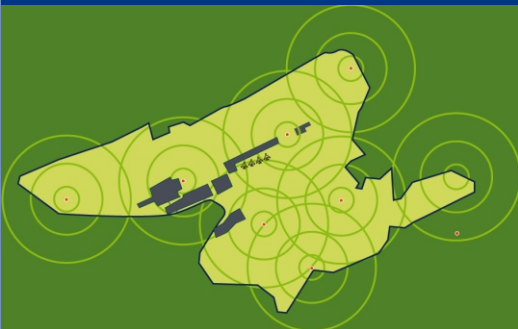


Sariak

integrity solutions



**NAVTECH'S DISTRIBUTED ARCHITECTURE
WITH 100% COVERAGE**



- 100% Area Coverage
- Airport Infrastructure
- Beyond The Perimeter Protection

**CENTRALIZED RADAR SYSTEM
WITH UNPROTECTED AREAS**



- Shadow Zone Unprotected Area
- Airport Infrastructure
- Unprotected Area Outside The Perimeter

AdvanceGuard

OVERVIEW

From small sites to large complex compounds, the AdvanceGuard high definition radar security system from Navtech Radar, provides the most comprehensive security solution available. It is ideal for applications such as airports, critical national infrastructure and commercial installations.

The system detects, tracks and identifies threats. By detecting beyond the perimeter, it can identify intruders before they can enter the site and cause any damage. AdvanceGuard is an credible alternative to high cost manned guarding and provides a reliable, cost effective solution that delivers continuous automatic surveillance.

high definition security solution

COMPLETE COVERAGE

AdvanceGuard's distributed architecture allows sensors to be placed anywhere. This ensures that even the most obscured areas are covered. Matching the range of the sensor to the line of sight, enables complete coverage that is cost effective and fault tolerant.



Traditional radar based security systems utilize high power, long range sensors, often located in a central position.

While these solutions are good for large open areas with an unobstructed view, their effectiveness is often impaired in cluttered environments such as airfields.

HIGH DEFINITION RADAR



Original Image



AdvanceGuard's High Definition Radar



Traditional Low Definition Radar

As with camera images, higher definition technology enables easier identification of objects.

HIGH DEFINITION RADAR

AdvanceGuard's high definition radars provide clarity between objects, allowing differentiation between two targets that are close together.



This is important to determine whether a target is an animal, a person, or a vehicle and to identify if the target is moving close to a fixed object.

AdvanceGuard, is able to separate objects that are just 25cm apart. A lower definition security radar may struggle to distinguish between objects many meters apart.

UNAFFECTED BY POOR WEATHER OR LIGHTING CONDITIONS

AUTO TRACK TECHNOLOGY

AdvanceGuard completes a full 360 scan several times a second. During each scan every object is accurately positioned and displayed to the operator. The sophisticated tracking algorithms, follow the movement of each object to provide speed and direction information. The combination of high definition radar sensors and advanced real-time statistical processing gives AdvanceGuard the ability to more accurately detect, track and identify objects than traditional low frequency radars. We call this Auto track technology.



A System you can Trust

DESIGNED FROM EXPERIENCE

With 17 years of designing, manufacturing and delivering high definition radar solutions, Navtech Radar have the experience to produce and install a system that is best suited to your needs. AdvanceGuard will accurately track objects, generate alarms and direct cameras with a supported lifetime of, at least, 10 years. The low false alarm rate and reliability of the system, generates a high degree of trust from operators. Routine cleaning and maintenance is unnecessary and with a service interval of 5 years, the system has a very low cost of ownership.

10 YEARS SUPPORT

17 years of experience

installations in 40 countries

QUALITY STANDARDS

Navtech Radar is a British, award winning, designer and manufacturer of commercially deployed radar detection solutions. Our innovative technology is created at our own ISO 9001 certified facilities in the UK, to ensure the highest standards of quality. Our patented products are utilized across many industry sectors, from Security Surveillance and Industrial Automation to Traffic Incident Detection. Navtech Radar have installed radars for 17 years in over 40 countries for a multitude of applications; from airports and large industrial sites, to property protection and specialize leisure activities.

NavCover+

OUR EXPERIENCED TEAM ARE HERE TO HELP

Navtech Radar believe in creating a strong relationship with our customers. Wherever your installation is in the world, the customer support center can connect to it over the internet to help identify potential issues. For complete peace of mind we offer the NavCover+ support plan and a maintenance contract for up to 10 years. NavCover+ is a supplement to the service and product support you receive from your local authorised integrator. The plan is included for one year from the date of delivery.

A SUPPORT PLAN FOR COMPLETE PEACE OF MIND

5 YEARS MAINTENANCE

OUR CUSTOMERS ARE OUR FOCUS

Navtech Radar strives to ensure the best interests of our clients are served through the continuous pursuit of innovative technology and operational expertise. All of our business relationships with clients, suppliers and employees rest on a foundation of trust and honesty to ensure the best customer service possible. Navtech Radar's vision, strategy, goals and values are the substance of our company.

TECHNICAL SPECIFICATIONS

Maximum Range	3 - 3000 meters
Range Resolution	25cm
Beam width	2°
Field of view	360°
Number of targets	200
Power requirement	24Vdc 20 Watts
Mounting Height	1.5 - 6 meters
Safe working distance (from radome)	<3cm
Interface	100 Mb Ethernet
Weight	7-20 Kg
Track data lifetime	30 days
Operating Frequency	W band 77 GHz
Blind spot	1 - 6 meters
Maintenance intervals	5 years

Sariak Integrity Solutions

PHONE 0098 21 8873 38 12-3

FAX 0098 21 8876 44 55

WEB www.sariak.com

EMAIL info@sariak.com

Central office: No.24, 12th St, Niloofar St,
Apadana Ave., Tehran - Iran
P.O.BOX: 16315-173