

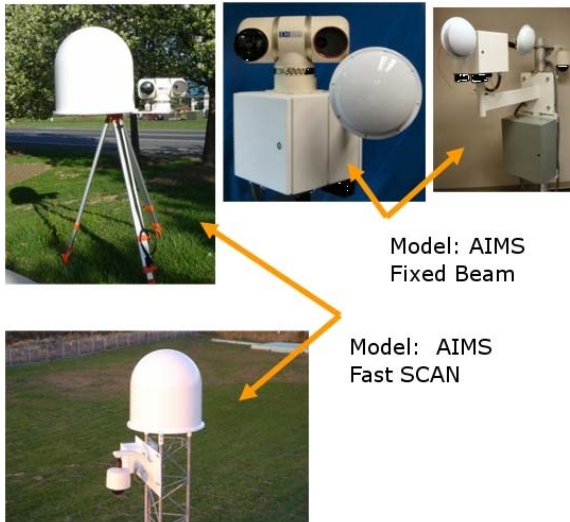
“AIMS” Perimeter and Area Intrusion Monitoring System

AIMS Perimeter Surveillance Radar (PSR) is specifically built to monitor activity threatening critical infrastructure in airports, seaports, military installations, borders, refineries and other critical perimeters

Intruders trespassing oil fields, airports, refineries, military bases, or crossing borders can now be detected, located and tracked at distances of up to five kilometers

AIMS “Area Intrusion Monitoring System” operates with a uniquely simple, low power and very light weight Doppler ground Radar system. It designed and optimized to detect a walking/approaching human target at over 1.5 - 3 kilometers or more. Vehicles are detected 3-5 km and longer detection ranges are possible using higher power versions of the AIMS system.

Drawing on many years of specialized Radar design expertise, the AIMS Fast-Scan system is designed specifically as an affordable long range standoff physical security surveillance solution. This is in contrast to the many battlefield surveillance Radar systems that are being sold as commercial solutions today.



Model: AIMS
Fixed Beam

Model: AIMS
Fast SCAN

The AIMS solution is based on an industry standard Windows client / server architecture. It is designed to connect directly into local and

wide area TCP/IP networks (wired or wireless), simplifying its integration into larger corporate or enterprise security systems.

The AIMS Client software can monitor multiple Radar servers simultaneously providing true wide-area, multi-sensor surveillance. User interfaces are customized to graphically present detections on local site map overlays.

The AIMS client software concurrently displays video or IR video feeds in conjunction with Radar data and thus allows for alarm based “slew to queue” operations freeing security personal and resources to focus on threat assessment and response.

Additionally, up to 8 Video and/or IR surveillance cameras can be integrated directly into the AIMS system network.

With multiple modular antenna selections, power output modules, integration options, and numerous add-on software modules the AIMS system has the flexibility to provide both stand-alone, networked and integrated perimeter or portal security surveillance options.

AIMS rugged design and capabilities can continuously scan 360°, and operate 24 hours a day in all weather setting it apart from its competitors.



AIMS can be set up by one person in less than a day and does not require any specialized or Radar training to operate.

The AIMS system is a solid-state X-Band Radar operating at 9.23 GHz. This frequency

permits maximum performance in all types of weather, which is not true for Radar systems operating in Ku band (about 18 GHz). The AIMS system has the widest temperature specifications on the market ensuring long-life in all weather continuous operations.

in parking lots have little effect on target detection or performance of the system.

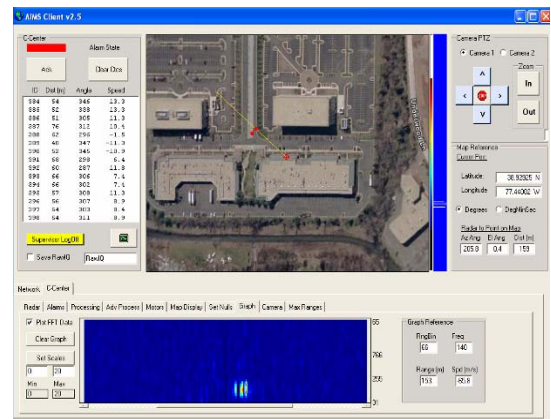
Additionally, video or other surveillance sensors can be provided and integrated into the AIMS display by VIASPACE.

A key advantage of the AIMS system is its low false alarm rate. Using advanced detection algorithms the system is designed to reject spurious energy reflected from grass and shrubs. Wind driven effects on the surroundings or trees found in the landscape or

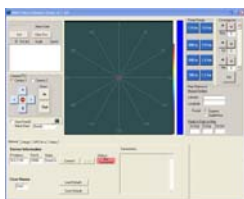
Features:

- High-resolution and short minimum range
- Solid state RF assembly for high reliability, low maintenance and life-cycle cost
- Light Weight, ~50 lbs
- Low power consumption, typically about 110 Watts
- Low power density for human safety (less than 1 mW average)
- Continuous rotation (360 degrees) or fixed scans
- Detections plotted over satellite imagery or on digital maps
- GPS input
- Built-in RS-232/422/485 port for controlling multiple cameras
- Built-in protocols for DII, Argon ST, EMX, Pelco-D, Vicon Quickset
- TCP/IP based communication of alarms – wireless or wired
- Mobile platform configurations available
- Operating temperatures of -40 to +70 degrees Celsius
- Numerous upgrade options are available
- System can be set up as a stand alone, networked or vehicle mounted surveillance and detection system.

Automatic smart cueing of video cameras for fast detection and identification of humans or



AIMS Client Software
running on PC



Detection data, Spectral Data,
Controls and Settings



Detection Data
(ASCII)

Raw I, Q Data
(Binary)



AIMS Server
Software running
on Radar