

JAGASYSTEMS

Perimeter & Border Intrusion Detection System



Jaga Systems solution is an advanced scanner that provides complete situational awareness; with volumetric detection. It is equipped with laser and radar; using cutting edge sensing technologies to prevent intrusions. Single unit detects movement upto 800m in 120° band; or upto 75m in 360° radius.

Any movement within range can be detected by a single unit thus serving as an early warning system for the user. With the ability to detect, track and classify objects as threats; it creates Real Time Actionable Intelligence to optimize the decision making process and improve deployment to contain an intrusion incident.

PERIMETRIC vs. VOLUMETRIC DETECTION

-  Modular design
-  All weather all terrain
-  Simple and robust design
-  Displays critical information for quick action
-  Situational Awareness Technology
-  Compatible with third party legacy systems such as IP Cameras
-  Single control station to handle all security needs
-  Provides advanced analytics for better decision making
-  Uses Machine Learning Algorithms to constantly evolve



PERIMETER AND BORDER SECURITY SOLUTION

New Security Solution Offers Innovative Way to Secure Sensitive Perimeters

With JAGA Systems, you can detect and locate intrusions on perimeters and borders that were until now, always thought to be too expensive to protect. Advance algorithms minimizes nuisance alarms, without compromising intrusion detection sensitivity.

HOW IT WORKS

- Solution establishes a Zone of Control (ZoC).
- Provides an Early Warning system for guards to respond before an intrusion occurs.
- When an intruder enters the ZoC an audio-visual alarm will be raised in Control Room.
- The real time video footage of the intrusion will provide Visual Verification.
- The point of intrusion will be highlighted on the map on the screen.



Live Status. Get access to real time status on a map with geolocation.

Core Features

Scalable

- Rapidly deployable.
- Multi-level sensitivity adjustment.
- Fast and user friendly installation.
- Modular in height.

User Operation and Control

- Alarms are shown on maps of the site and all zones can be controlled from the PC.

Multiview

- Provides the facility to remotely monitor the security of different site perimeters; from one single location. Hence increasing security management efficiency whilst reducing manpower and management costs.

Analyser

- Analyser receives signals and digitally processes them. All detection parameters adjustable for optimum performance.
- Analyser has built in test facilities to enable for quick and accurate installation of the system. Saves time and money.

Versatile

- Detection of multiple simultaneous intrusions.
- Unaffected by RFI, EMI, lightning or storms and intrinsically safe for operation in potentially explosive environments.
- Build-in self learning algorithms and AI (artificial intelligence).

- Dual signal (laser and radar). Smart Sensor fusion for high accuracy and low nuisance and false alarm. No moving parts.
- Intruder detection and tracking to provide Early Warning of Intrusion.
- Movement tracking throughout secured area.
- Coordinate generation to guide PTZ cameras and Smart Flood Lights.
- Option to create Exclusion Zones for no alarms.
- Option to create Warning Zones for immediate alarm output.

Cost Effective

Low Deployment & Operational Cost

- Out-of-box installation; simple-to-use configuration software.
- Save significant up-front costs, as only one system is required - delivers a low Total Cost of Ownership (TCO).

Life-Cycle Cost

- Low maintenance.
- Easy-to-install and integrate with other systems.

Robust and reliable

Rugged Environment (military grade)

- Operational in many outdoor environments and climate conditions - humidity no restriction.
- Rain, sand and dust sealed - IP 67 certified.

Security

Network Convergence

- System built in with unique secret key.
- Jaga DNA algorithm provides a private digital signature unique to each point.

Security Features (optional)

- Server Authentication uses 2048 bit RSA keys to verify the identity of the remote site.
- Secure Communication with 128 bit Advanced Encryption Standard (AES).

Perimeter and Border Security Solution

www.JagaSystems.com

