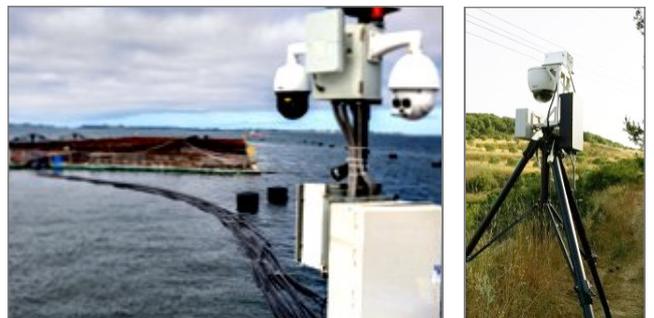# JAGASYSTEMS

Perimeter & Border Intrusion Detection System

Jaga Systems solution is a compact and robust radar that provides complete situational awareness; with volumetric detection. Using cutting edge sensing technologies to prevent intrusions. Single unit detects movement upto 1000m in 120° band.

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.

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

PERIMETRIC vs. VOLUMETRIC DETECTION

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.

- ⮫ Signal from laser or 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.

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).

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

JAGA SYSTEMS