



# ROAMEO

Rugged Observation Assistance Mobile Electronic Officer



## From Golf Carts to AI-Driven Security

ROAMEO replaces outdated human patrols, eliminating high costs, slow response times, and limited coverage. It offers 24/7 security, moving through your facility with precision and proactive threat detection to ensure every area remains secure without the inefficiency of traditional methods.

AI-driven fully autonomous navigation, ROAMEO operates with advanced sensors, real-time communication, and seamless mobility, making it the smarter, safer, and more effective alternative to human security guards. It adapts to its environment, operates continuously, and eliminates the risks and costs associated with traditional patrols.

## How ROAMEO Works

ROAMEO operates with precision, using advanced technology to autonomously patrol, monitor, and respond to security threats in real-time. Unlike traditional patrols, ROAMEO never loses focus, ensuring continuous, around-the-clock surveillance.

Its highly accurate positioning system enables precise navigation, even in areas where GPS signals might be weak. Equipped with five solid-state 3D LiDAR sensors, radar, and advanced obstacle detection, ROAMEO continuously scans its surroundings, detecting and tracking movement with 360-degree awareness.

When a potential security risk is identified, ROAMEO doesn't just record—it reacts. AI-powered monitoring instantly analyzes activity, sends real-time alerts to security teams, and provides live video and audio feeds for immediate assessment. With features like "Escort Me" and "Find My Car," ROAMEO enhances security while delivering a user-friendly experience for employees, visitors, and customers.

## The ROAMEO Advantage

ROAMEO isn't just a robot. It's an intelligent security force built to enhance operational efficiency, reduce costs, and provide 24/7 protection.

By combining autonomous navigation, real-time communication, and advanced threat detection, ROAMEO eliminates security gaps and ensures continuous coverage without human limitations.

### Always On, Always Aware

ROAMEO operates 24/7, never losing focus or needing breaks. Whether patrolling parking lots, industrial sites, or corporate campuses, it delivers uninterrupted security without fatigue or distractions.

### Smarter Patrols, Faster Response

Equipped with LiDAR, radar, and advanced AI monitoring, ROAMEO detects unauthorized activity in real-time and instantly alerts security teams. Its proactive approach helps prevent incidents before they escalate.

### Seamless Integration with Your Team

ROAMEO's two-way communication, real-time alerts, and interactive smart panels ensure security teams stay informed and in control. It can autonomously patrol or respond to operator commands, improving situational awareness.

### Reliable in Any Environment

Designed to operate in rain, snow, and extreme temperatures, ROAMEO provides year-round security without compromise.



### Steve Reinharz, CEO | CTO of AITX AND RAD

“The days of inefficient, unreliable, and costly security patrols are over, ROAMEO Gen 4 is not just an improvement, it is a complete reimagining of how security patrols operate.”



## Performance at a Glance

**Patrol Range:** Up to 30 miles per charge

**Operating Time:** Up to 16 hours of continuous patrol

**Top Speed:** 10 mph (adjusts in pedestrian zones)

**Climbing Capability:** Handles slopes up to 15 degrees

**Weight:** 970 lbs (440 kg)

**Dimensions:**

**Length:** 71.2 in (1.8 m)

**Width:** 47.6 in (1.2 m)

**Height:** 75.7 in (1.9 m)

**All-Weather Operation:** Functions from -20°C to 45°C

## ROAMEO vs. Traditional Security Patrols

### 1. Capabilities & Efficiency

Feature	ROAMEO Gen 4	Security Guard Patrols
24/7 Operation	Yes, operates continuously without breaks, fatigue, or distractions.	No, limited by shifts, rest, and human factors.
Automated Patrols	Follows pre-set patrol paths, detects anomalies, and adjusts in real time.	Requires supervision, prone to inconsistency.
Weather Resilience	Operates in sun, rain, and extreme temperatures. Snow readiness in development.	Guards may be limited by extreme weather conditions.
Real-time Alerts	Instantly detects and reports suspicious activity.	Requires human intervention, leading to communication delays.

### 3. Technical Superiority

Feature	ROAMEO Gen 4	Security Guard Patrols
Advanced Sensors	Uses LiDAR, radar, GPS, and cameras for full 360° vision.	Limited by human eyesight, fatigue, and distractions.
AI-Powered Object Detection	Detects and reacts to vehicles, pedestrians, bicycles, and obstacles.	Guards may miss key details, especially in low visibility conditions.
Geofencing & Route Control	Predefined patrol zones, adjustable remotely.	Guards may deviate from routes or patrol inefficiently.
Remote Command & Communication	Real-time interaction with security teams and law enforcement.	Requires radio communication, which may have delays.

### 2. Safety & Risk Reduction

Feature	ROAMEO Gen 4	Security Guard Patrols
Collision Avoidance	Detects and responds to vehicles, pedestrians, and obstacles.	Human error could lead to accidents.
No Confrontational Risk	Observes and reports threats without engaging, ensuring safety.	Security personnel may face physical altercations.
Cybersecurity & Data Protection	Encrypted communication with multi-layer security.	Risk of human error when handling sensitive data.
Minimal Risk Condition	In the event of a system error, ROAMEO stops safely and alerts operators.	Human responses may vary under pressure.

### 4. Cost & ROI

Feature	ROAMEO Gen 4	Security Guard Patrols
Fixed Monthly Cost	Predictable SaaS-based pricing with no hidden expenses.	Varies based on hourly wages, overtime, and benefits.
Operational Costs	No salary, benefits, or liability insurance required.	High labor costs, overtime pay, and healthcare expenses.
Reduction in Theft & Incidents	AI-powered surveillance enables faster response times.	Human oversight may result in delayed action.
Long-Term ROI	One-time investment with long-term savings.	Recurring labor costs without increasing efficiency.



### Mark Folmer, President of RAD

"This is more than just an advancement, it's an industry shift. We are on a mission to redefine security by delivering AI-powered, autonomous solutions that enhance safety, improve efficiency, and drive cost savings."

## Seamless Integration, Immediate Impact

Deploying ROAMEO is effortless. It works alongside existing security infrastructure, enhancing protection without complex installation or heavy IT involvement.

With cloud-based controls and a web-based interface, ROAMEO is simple to manage from any device, ensuring that security teams stay in control at all times.

- Easy Setup - No complicated infrastructure changes or expensive installation.
- Remote Monitoring & Control - Adjust patrol routes, receive live alerts, and communicate with ROAMEO from anywhere.
- Scalable for Any Facility - Whether securing a single location or an entire enterprise, ROAMEO adapts to your security needs.



## ROAMEO: The Smarter Security Investment

Traditional security patrols come with high costs, human limitations, and inconsistent performance. ROAMEO delivers predictable, cost-effective, and fully autonomous security, ensuring that your facility is always protected.

### Your Security, Enhanced

- ROAMEO provides a powerful security presence that:
- Reduces costs by eliminating the need for salaries, benefits, and overtime.
- Improves coverage with real-time monitoring and instant alerts.
- Increases reliability with 24/7 operation, no breaks, no distractions.
- Boosts safety by avoiding confrontations and preventing security risks.
- Scales effortlessly with a fixed, predictable monthly cost.

### Built for the Demands of Modern Security

ROAMEO is engineered to handle complex patrol environments with intelligent navigation, real-time communication, and advanced threat detection.

Whether securing large properties, monitoring high-value assets, or deterring potential risks, ROAMEO delivers security that adapts to your needs.

### The Future of Security Starts Now

Security teams are stretched thin, labor costs are rising, and technology is reshaping the industry. ROAMEO isn't just keeping up—it's leading the transformation.

Upgrade to smarter security today. Contact us for a live demo and see how ROAMEO can revolutionize your security operations.



## AI-Driven Escalation and Incident Response

ROAMEO provides autonomous patrols, continuous monitoring, and deterrence by responding to threats in real-time. When escalation is required, SARA steps in.

SARA (Speaking Autonomous Responsive Agent) replaces the need for human security operators by actively analyzing threats and responding instantly.

### When an incident occurs, SARA:

- Alerts security teams through audio notifications, mobile alerts, or direct calls.
- Engages with employees and visitors, providing guidance and assistance.
- Delivers real-time deterrence, issuing verbal warnings and security instructions.

ROAMEO and SARA work together to deliver seamless, AI-driven security, eliminating traditional inefficiencies and ensuring 24/7 protection.

It's a fully autonomous, intelligent security force that's always on duty, so your team doesn't have to be.

### RAD Ecosystem

Since SARA is a core part of RAD's security ecosystem, it works with other RAD devices like ROSA and AVA, ensuring: A consistent AI-driven security approach across multiple locations.

Unified data collection for better security decision-making. A fully scalable and adaptable security solution for any facility.