Smart Security

Autonomous Data Machine Technology

Autonomous Data Machines (ADMs or Robots)provide 24/7 smart "eyes and ears" to narrow the threat landscape.

The world is going to change more in the next five years than the last 50 years, combined. The emergence of technology into the security sector has driven a shift in the paradigm of risk management, offering more opportunities for security system enhancements and program integration than ever before. Concurrently, pressures to control cost in a competive global market can limit the potential of security programs. In an exclusively human resource-driven security program, lower cost typically means reduced service capabilities and a more vulnerable risk profile.

Today, we can solve this dilemma by leveraging technology so effectively that customers can dramatically improve the capabilities of their security program by an order-of-magnitude, while, at the same time, significantly reducing costs. We are proud to be working in concert with Knightscope, integrating with existing security programs while providing new revolutionary capabilities to clients.

Allied Universal works with customers in a variety of industries to strategically integrate manpower and technology in a way that maximizes delivery, utilizes force multipliers, improves risk management and can save clients from 25% to 75% in costs.

Reasons to consider

ROBOTICS

- Cost Savings

  Reduce cost without sacrificing security

- Constant Coverage

  24/7 physical security presence, autonomous patrolling and monitoring

- Force Multiplier

  More effective information sourcing and sharing, accessible in real time from the desk or on the run

- Monitoring, Detection and Alert Capabilities

  Reduce human error

  Improve incident response and resolution time

  Analytics, information sharing and reporting capabilities

Smart Security

Autonomous Data Machine Technology

Through a partnership with Knightscope, comprehensive solutions are offered on an extremely efficient Machine-as-a-Service business model. Knightscope has developed a profound set of new technologies utilizing autonomous robots, analytics and a state-of-the-art human-machine interface with the long-term goal of predicting and preventing crime – and a short-term milestone of providing advanced anomaly detection capabilities in the physical security space. Autonomous data machines are purposely built for security programs seeking to increase threat management through the strategic integration of people, processes and technology. Autonomous Data Machines are a real force multiplier by adding effectiveness and efficiency to security programs.

For more information on Knightscope's Autonomous Data Machine technology, visit our website: http://www.aus.com/Security-Systems/Systems/Autonomous-Robot

What can the Autonomous Data Machine do? Deploy smarter.

The question should be, "*What can't it do*?" The technology offered by Allied Universal can meet a variety of security needs, from access control and security presence, to fire and life safety systems monitoring, detection and alert capabilities – all designed to help our customers' security teams work smarter and respond to issues or anomalies faster. Following are just a few of the challenging issues we help your team address more effectively and successfully today.

FEATURES:

- Video monitoring and recognition technology
- Time-stamped data
- Real-time detection and alerts
- Reporting
- Broadcast and intercom, via live voiceover or pre-recorded message
- Mobile and Wi-Fi signal detection capabilities
- Temperature gauge
- Traffic pattern analysis
- RFID technology for mustering

Smart Security

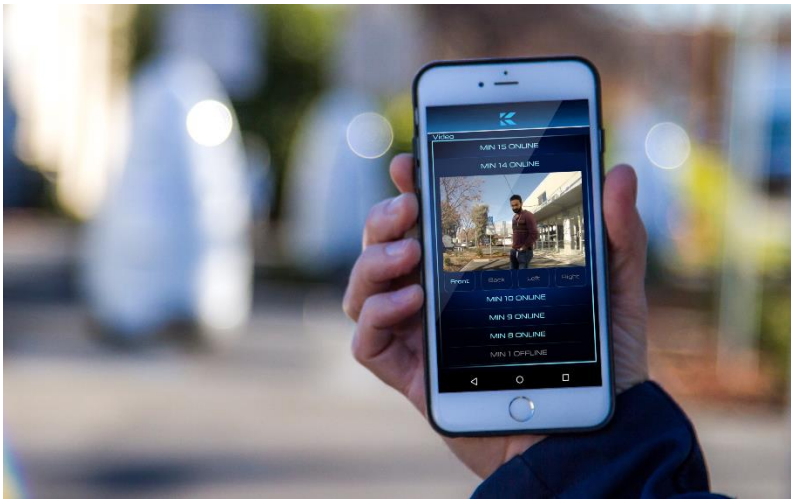
Autonomous Data Machine Technology

Physical Presence 24/7



Threats, crime and mischief do not operate on a timetable, nor do they sleep. Our technology provides 24/7 autonomous patrolling and monitoring including autonomous recharging without human intervention, so that your assets can be secure 24/7. Weighing in at 300 pounds and standing five (5) feet tall and three (3) feet wide, the autonomous robot provides a constantly watching, commanding physical presence that deters risk. Utilizing numerous sensors, lasers and programming, the machine can roam a geo-fenced area autonomously (meaning not remote-controlled) randomly or based on a particular patrolling algorithm. The robot can successfully navigate around people and objects in a dynamic indoor or outdoor environment.

Force Multiplier



ADM technologies augment security personnel by providing “smart eyes and ears” that enable security officers to do their job more effectively, through a groundbreaking human-machine interface called the Knightscope Security Operations Center (KSOC). The KSOC uses advanced anomaly detection within a geo-fenced area to feed real-time alerts to users. The technology is accessible through desktop applications and in web, iOS and Android formats – so operations can be viewed and responded to from a desktop, patrol route, or remote location.

Improved Access Control

What if during certain hours of the night there absolutely should be no people wandering through your premises? The technology can send real-time detection alerts to relevant personnel, based on pre-programmed traffic or condition parameters, including corresponding recorded video. Additionally, with time stamped data provided, the user can search through all the other detections in the deployment to better understand the conditions on the ground at that point in time.

What if vehicles are not authorized to be on your premises for more than a certain period of time? Knightscope can inform you if, for example, a vehicle has been parked at a location for more than 24 hours, by throwing an alert. It can also provide data on the top 10 stationary vehicles in an area and the parking meter readout for each, by the hour.

What if there was a domestic dispute and the spouse of an employee continues to pay visits to your facility, or you fear a disgruntled and/or terminated employee will return to cause a disturbance? Knightscope can be programmed to recognize license plate information or MAC addresses from mobile devices and push an alert upon detection. And soon it will be able to do the same with a picture of the unauthorized party.



Live Public Address and Intercom

With a built-in "Broadcast" feature, you can speak live or pre-recorded through one or multiple machines, similar to a mobile public address system. This allows you to address people in specific areas of the property, or the entire property concerning alerts or notifications, evacuation orders, crowd control commands, etc. Custom pre-recorded messages can be initiated automatically by location, time, randomly or manually by the user.

ADMs also provide an intercom capability that allows for two-way audio communication between the user and the machine. Intercom communications may also be recorded for further analysis inclusive of the user credentials answering the call.

Cyber Security Defense and Intellectual Property Protection

Signal detection capabilities can be programmed to assist in cyber security efforts by providing alerts about detected routers and wireless access devices in the area, which may also be classified as authorized or unauthorized within the system. The autonomous robot is another line of defense against deliberate cyber-attack, or unsecure internal network breaches that leave your data center vulnerable.

Similarly, Allied Universal can assist with industrial espionage prevention and intellectual property protection by detecting and flagging a person in the vicinity carrying an unusual number of mobile devices, for example. This can be a leading theft risk indicator for intellectual property.

Forensics and Analytics

ADM technology can provide high-quality video from a variety of angles, as well as data regarding environmental conditions, license plates, signals and various detections from any time period programmed. This data can be useful for insurance and legal purposes, providing accurate, time-stamped feedback about conditions at the time of an incident on the property. These analytics can also be used for training purposes or to determine areas of vulnerability to assist in physical security operations strategy and post order updates.



Temperature Gauge and Fire Safety

Critical systems on premises that require constant temperature checks can be monitored via ADM technology, rather than frequent personnel checks. Thermal images not only push an alert at a certain threshold, but also capture data for historical analysis or pattern recognition. Using the same technology, the ADM can detect fires, or any unusual temperature variations in the deployment area.

Traffic Pattern Analysis

If it is important to understand the traffic patterns of customers or patrons visiting your premises, an ADM can provide data to help. Parking utilization technology can classify, by hour, the number of vehicles in your parking lots that we are monitoring. We can also provide analytics regarding the number of mobile devices in the area, at a given time period.



Mustering Capabilities to Assist in Emergency Response

The ADM can be an invaluable tool in evacuation scenarios by assisting with check-in to assure employee safety. Utilizing RFID technology, the autonomous robot can offer mustering capabilities for people-counting at a safe rendezvous point, as they each swipe their respective employee badges.

Reports

Allied Universal can tailor reports regarding machine waypoints, license plate recognition, signal detection and numerous other aspects of your operations. Allied Universal also integrates with CyCop® to give you the latest accurate data about your property and security professionals.

Information Management

- Compatible with multiple smartphones, tablets, laptops or desktop computers
- Consumer data digitally stored on the cloud for instant access

Security Guard Tour Tracking and Supervision

- Offers real-time information on personnel locations
- Includes color-coded checkpoint history of time, place and tour activity
- Alerts security professionals of required tasks and escalates problems in real-time to supervisors

Automated Incident and Daily Activity Reporting

- Get reports delivered securely to management
- Accommodates digital photos
- Archive reports for later use

Improved Employee Retention

Leveraging technology with manpower has proven to lessen the number of required manned positions. But the positions are paid higher wages, thereby resulting in more qualified and highly trained professionals and significantly reducing turnover. Providing effective tools to your staff members also enables them to work more efficiently, gain more upward mobility and enjoy job satisfaction. A mobile app allowing security officers to engage with the machines and use them as tools to cover more ground and do their jobs effectively can become a strong employee retention mechanism.



Smart Security

Autonomous Data Machine Technology



Enhanced Image

Your brand and reputation are a critical component of success. In addition to improving your risk profile, Autonomous Data Machines will enhance your image in the marketplace as a vanguard enterprise to your customer demographic, whether that be patrons, employees, suppliers, students or recruits. Leading-edge technology and forward-looking design, combined with an appearance that can be custom tailored to your brand, will further enhance how the world views your operations.

The future is now – contact us to schedule a live demo of the ADM technology by visiting: http://pages.aus.com/Contact-Us-Potential-Client.html and entering "***ADM Demo***" in the comments box.

Ease of Deployment

Autonomous robot technology can be deployed with minimal involvement of your staff and seamless convergence with your security operations. With one simple signature, we handle the setup, configuration, deployment, maintenance and service. We also include unlimited free software, firmware and hardware upgrades, so you always have the latest and greatest technologies at your fingertips without having to lift a finger. Let our team partner with yours in better securing the future!

Smart Security

Autonomous Data Machine Technology

Features	Benefits
- 24/7 Monitoring and Alert System	- Deter crime, identify and address safety and security issues in real time.
- Video Transmission and Recording, Analytics	- Monitor data and receive alerts 24/7 from the desk or on the run with web, iOS and Android formats – ensuring quick response, visual feedback and data support.
- Flexible Interface	- Seamlessly integrate with your current security program, without interruption to security operations or complex, costly infrastructure requirements.
- Ease of Deployment	- Expand and improve security coverage, without investing in additional manpower and training – ultimately decreasing cost.
- Reporting Capabilities	- Enhance your brand image and market presence.
- Customizable to your Brand	- Detect and analyze unusual, unauthorized access and assist in crowd and traffic control efforts.
- Live Public Address and Intercom	- Improve public communications and emergency notifications to public or employees, emergency instructions and safe meeting points.
- Mustering Capabilities	- Improve employee safety after hours/late shift.
- Traffic Pattern Analysis	- Reduce over-coverage of remote areas, without sacrificing security.
- Temperature Gauge/Monitoring	- Improve safety of temperature monitoring and equipment health checks.
- Signal Detection	- Detect signal anomalies that could indicate cyber security or intellectual property risks.