AUTONOMOUS SECURITY



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Advantages of Autonomous Security

- Large autonomous robots are an effective physical deterrence Force Multiplier Effect
- Highly productive in repetitive, monotonous, computationally intensive, or even dangerous security roles
- Sensors record & retain more data than people can recall
- Autonomous charging allows for continuous operation 24/7/365
- Engages the public & enhances the brand

Why our Clients use Autonomous Security

- Disrupt criminal behavior
- Deter vagrancy, trespassing, & unauthorized visitors
- Secure parking lots & structures
- Enhance employee and public safety, mitigate workplace violence
- Patrol hard to reach and previously neglected spaces
- Cost savings over continuous human patrol
- Data-driven security operations and decision making

Fully Autonomous Operation 24/7 Nationwide

Keeping America and its territories safe. Now patrolling across 5 time zones.

OVER 1 MILLION Hours in operation

OVER 240 BILLION

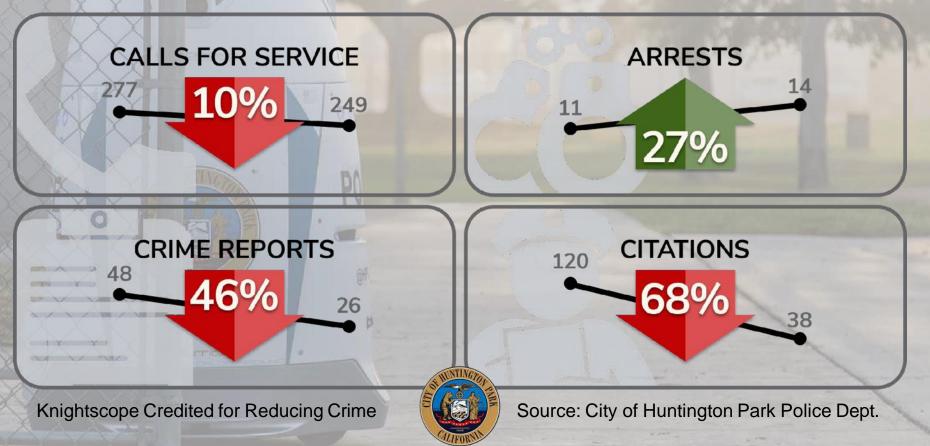
People detected

OVER 10.5 MILLION License plates read

Autonomous Security Winning Against Crime

K5 Robot Data Analysis - Salt Lake Park, CA

Jun-Dec 2018 (No K5) to Jun-Dec 2019 (One K5 Robot)



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CAUTON



Autonomous Security Robot (ASR)

Logistics Facilities

College Campuses

• Airports, Bus & Train

Stations

Casinos

INDOOR/OUTDOOR USE

Built to operate on ADA compliant areas, such as

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- Corporate Campuses
- Shopping Malls
- Hospitals
- Stadiums
- Retailers
- Warehouses

KEY FEATURES

- 360° Eye-level HD/4K Recording
- Two-way Intercom and Live Audio
- People Recognition

- Automatic License Plate Recognition
- Parking Meter
- Thermal Detection
- Signal Detection

00000 00 Speed: Up to 3 mph 0 0 Terrain: Indoors & Outdoors Height: 62.5" Width: 33.5" Length: 36" Weight: 398 lbs.

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Autonomous Security Robot (ASR)

INDOOR USE

Designed for complex dynamic indoor environments such as

Indoor Malls •

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- Warehouses
- Office Buildings Schools
- Manufacturing Facilities Casinos Stadium Plazas

SMALLER SIZE

Smaller and narrower than its outdoor counterpart, allowing easier maneuvering indoors

AVAILABLE FEATURES

- 360° Eye-level HD/4K Recording
- Two-way Intercom and Live Audio
- Thermal Detection
- Signal Detection
- People Detection



Autonomous Security Robot (ASR)

STATIONARY – INDOOR/OUTDOOR USE

- Pedestrian Entrances
- Lobbies & Reception Areas
- Residential Parking Lots
 & Structures
- Help Points

- High-Risk Areas & Hot Spots
- Remote or Distant Areas
- Shuttle Stops
- Challenging Retrofits
- Retail Aisles

KEY FEATURES

- 360° Eye-level HD/4K Recording
- Two-way Intercom and Live Audio
- Automatic License Plate Recognition

- Thermal Detection
- People Recognition
- Facial Recognition
- Elevated Body
 - Temperature Sensing

Speed: Stationary Terrain: Indoors/Outdoors Height: 69" Width: 28.8" Length: 11.2" Weight: 150 lbs.

Knightscope Security Operations Center

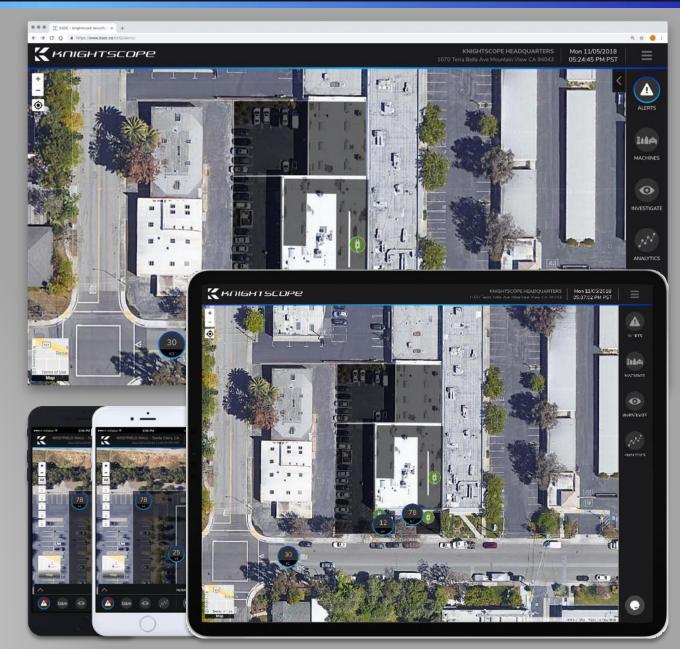
KSOC

USER INTERFACE

All data generated by Knightscope ASRs is accessible through the Knightscope Security Operations Center (KSOC), a highly intuitive, browser-based user interface. Clients can recall, review, and save the data for forensic or event documenting purposes.

MOBILE/TABLET

The KSOC is designed to be fully responsive and optimized for mobile/tablet devices. Put the power of the KSOC right in the palm of your hand.



KSOC Capabilities

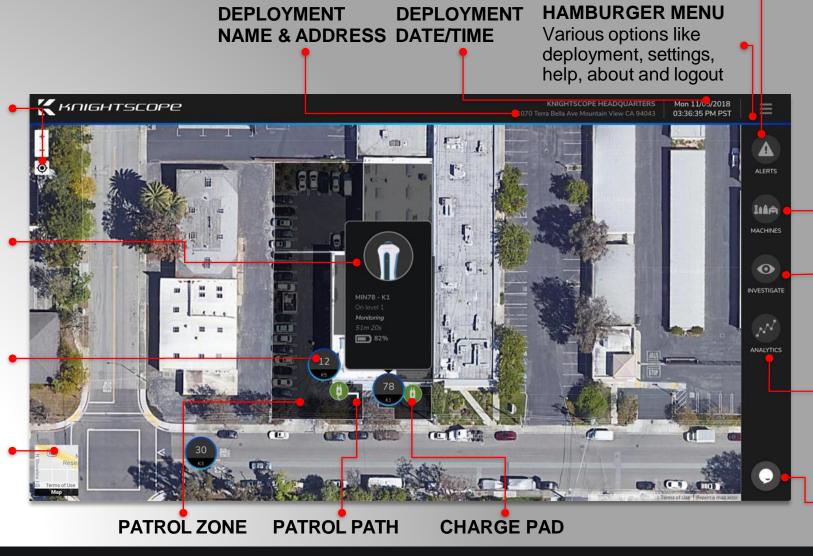
MAP REST & ZOOM LEVEL

Reset the default location and zoom level of map

MACHINE STATUS Display machine status when rollover machines icon

MACHINE ICON Show Machine Identification Number and type

MAP TOGGLE Switch map to satellite or map view



ALERTS Review People detection, ALPR, Thermal Detection, ASD

MACHINES

View machines list; select patrol, stop or park option; sound controls; intercom; broadcast; all camera view; map view; grab the timeline and move to left or change the date in calendar to view recorded videos; make and download video clips; patrol scheduler

INVESTIGATE

Search specific detections for investigation

ANALYTICS

View various information about the deployment and subscription

ONLINE CHAT Real time online help





The KSOC gives security teams the ability to perform forensic investigations from anywhere in the world with a Chrome browser and an Internet connection





The Intercom Call Button turns the K1/K3/K5 into an Emergency Call Box.

Individuals can push the button to talk directly to the SOC or Security Person responsible for responding to direct requests for assistance.



Alerts 🛕

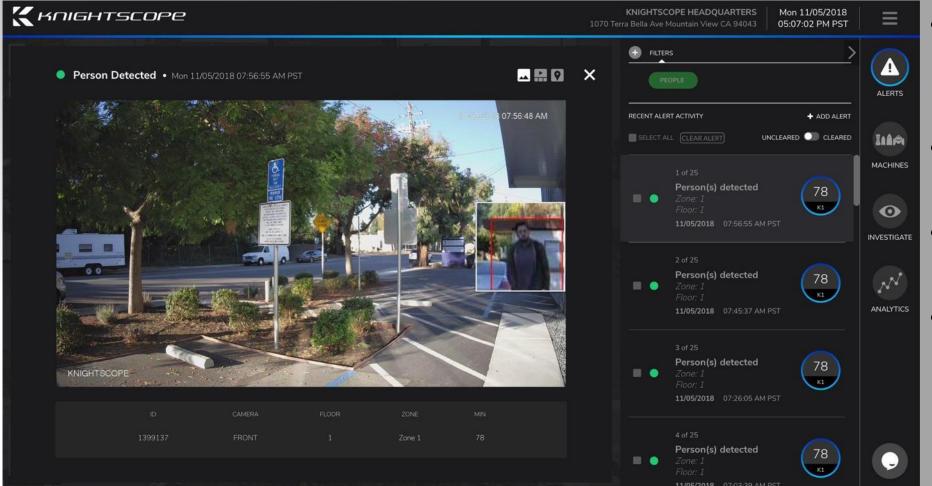
Knightscope gives you multiple ways to receive alerts and messages to keep your security team engaged and aware of incidents:

- Text message
- Email notification
- Alert through computer or tablet

- Text to phone call
- Alert in KSOC application
- To one or multiple recipients

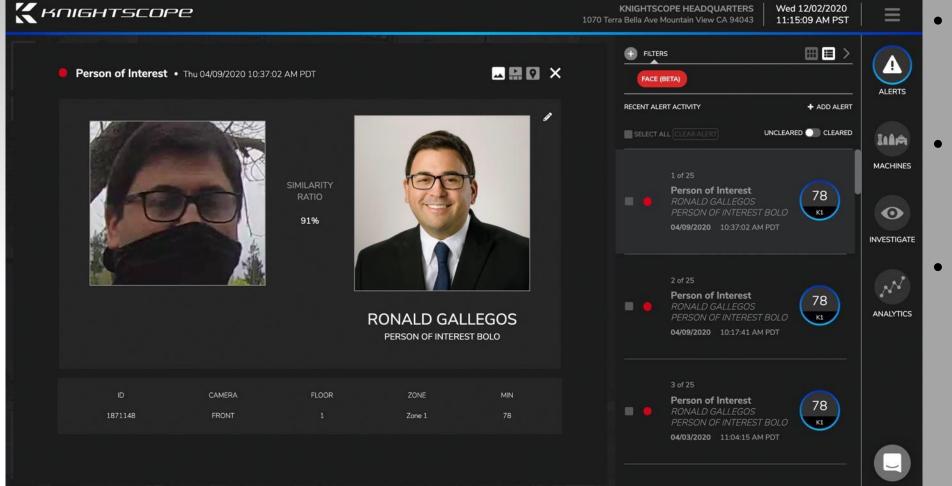


People Detection (*)



- Unauthorized individuals in secured areas
- Suspicious persons after hours
- Trespassers or criminal activity
- Positive identification capture

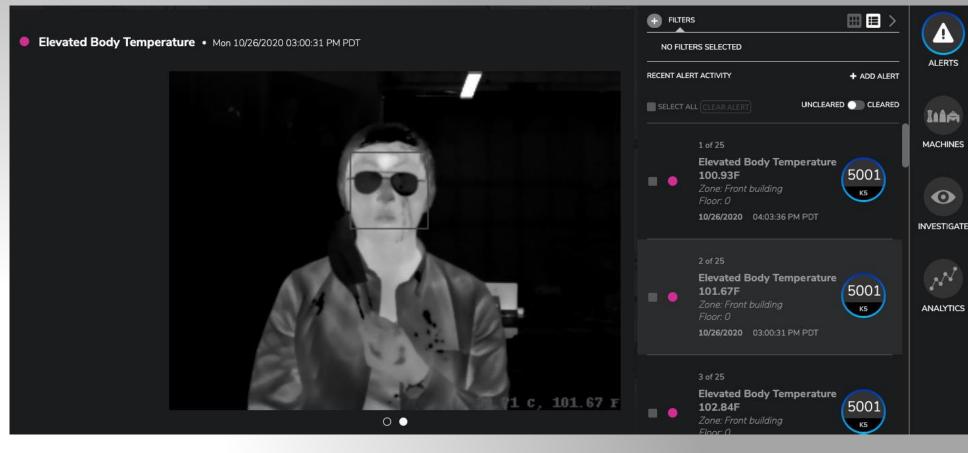
Facial Recognition



- Eye-level video surveillance coverage
- Greater facial recognition accuracy
- Escalating alerts for persons of interest

Elevated Body Temperature (EBT) Detection





Detecting any • person entering an area who has an Elevated Body Temperature (EBT) over 100.4 degrees

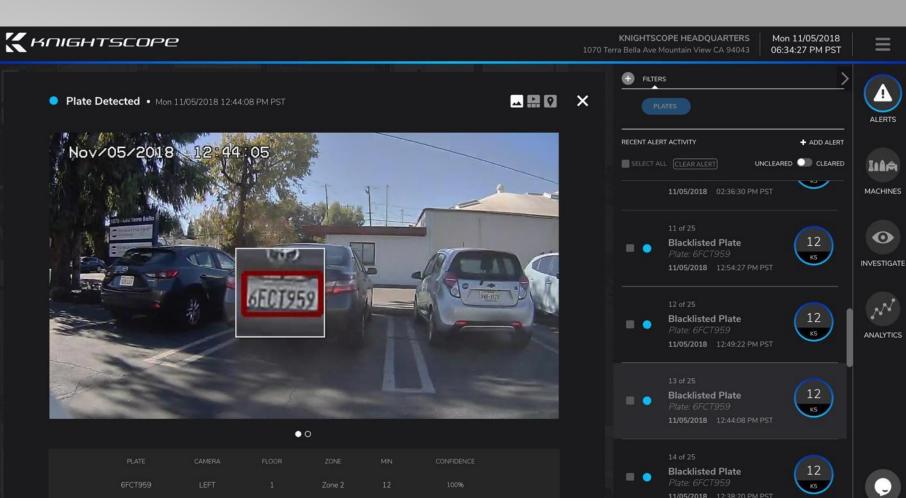
ALERTS.

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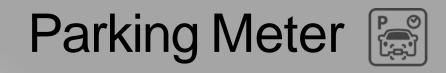
 Alerting via email, text, KSOC or one-way audioto-text phone call

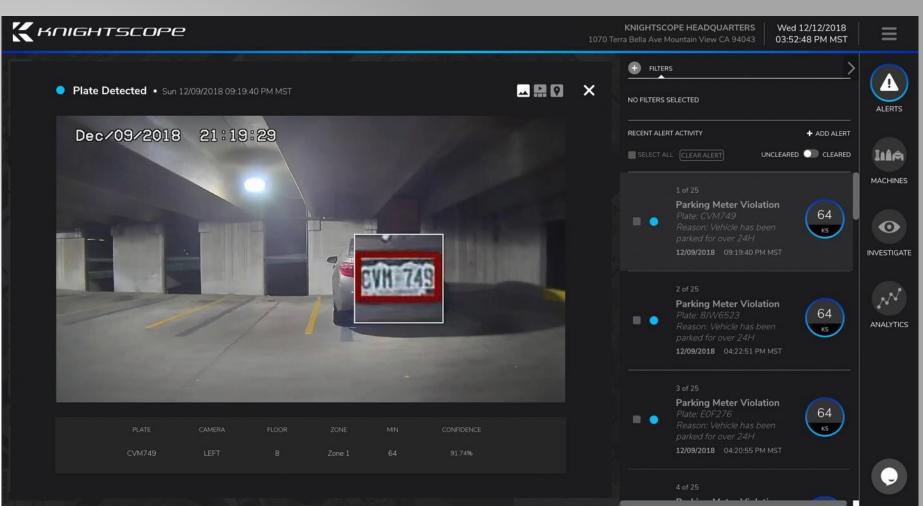
Automatic License Plate Recognition (ALPR)



- Protect employees from domestic abusers
- Mark suspicious vehicles
- Track terminated employees returning
- Police BOLO alerts for vehicles & plates

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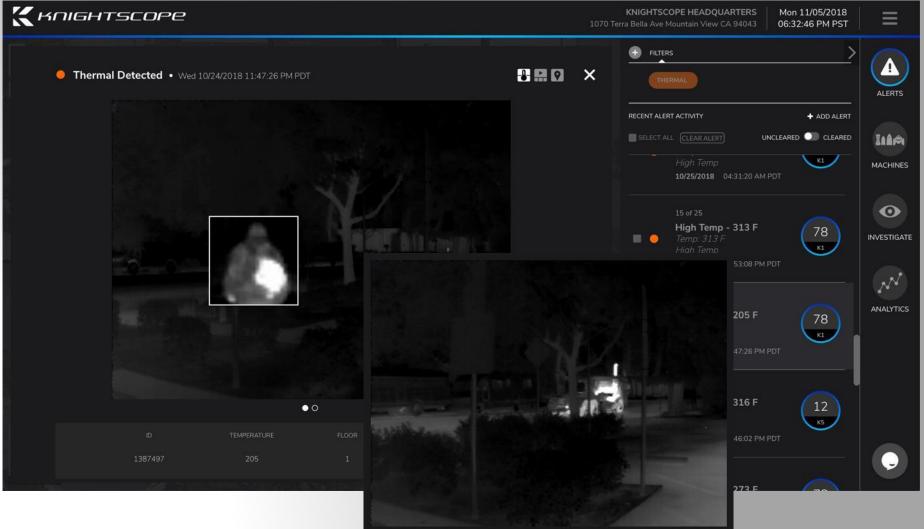




- Parking violations or abuses
- Suspicious or abandoned vehicles

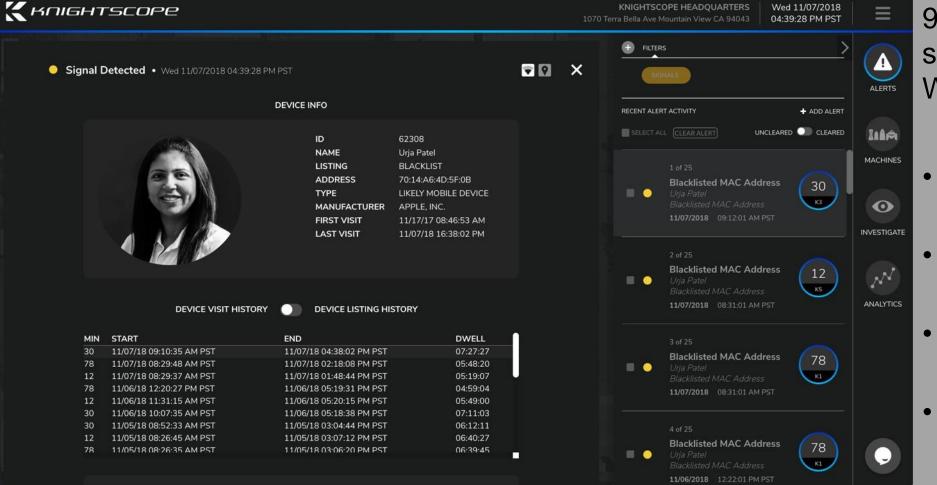
Zone 2 🔹	12/12/2018	PLATE	DURATION	
PARTICIPATION TRACEMEN		5FEJ899	05:12:49	
detral		5FEL899	05:02:43	
	Total and the	8AIS067	04:50:34	
		8A1S067	04:33:05	
71	Contraction of the second	7XLA939	04:13:02	
11		6FCT959	03:10:57	
		5FE899	02:33:06	
+		84IS067	01:56:03	
- A		8A7S067	01:03:22	
_	12	6FCT959	00:38:17	
	Design Spaces - Coworking Office			

Thermal Detection



- Early fire & anomaly detection
- Unauthorized individuals or vehicles in restricted areas
- Suspicious persons and/or vehicles after hours
- Trespassers or criminal activity

Advanced Signal Detection

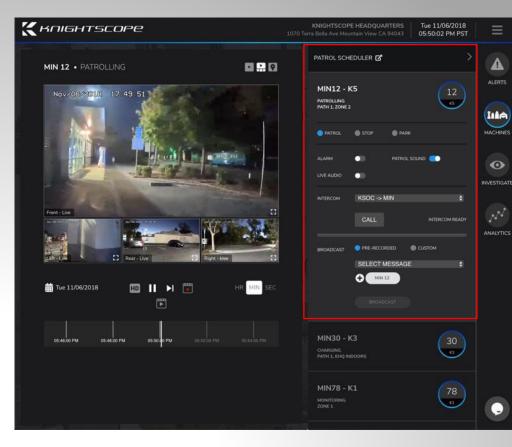


90+ % of adults have smartphones and use Wi-Fi when available

- Suspicious packages (device inside)
- Unauthorized device in secure areas
- Workplace violence
 threats
- Positive identification capture

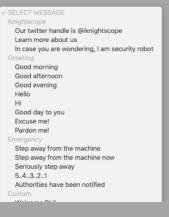
Broadcast and Intercom



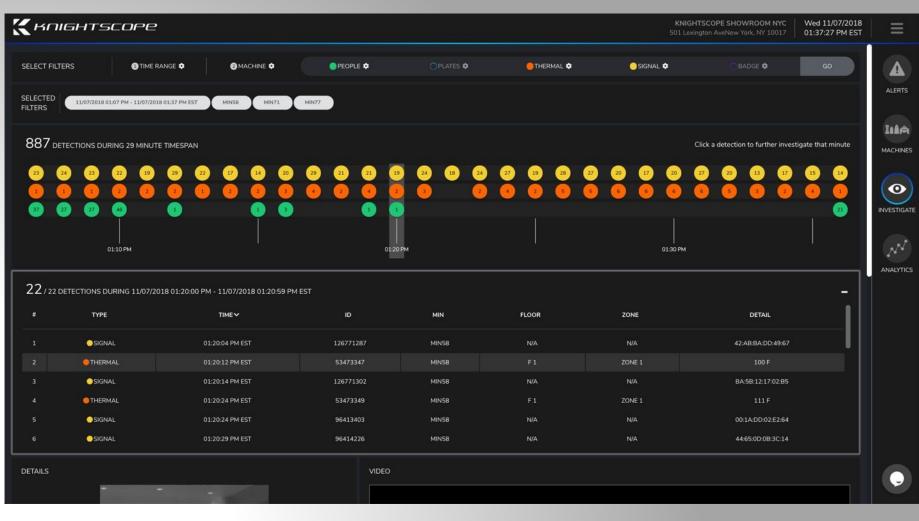


PATROL SCHE	eduler 🗹			>	
MIN12 - K PATROLLING PATH 2, ZONE 2	(5		12 ĸ5)	ALERTS
PATROL	STOP	PARK			MACHINE
ALARM LIVE AUDIO	•	PATROL SOUNE	o 💽		0
INTERCOM	KSOC -> M	IIN	:	3	INVESTIGA
	CALL		INTERCOM REA	.DY	
BROADCAST	PRE-RECOR	ESSAGE	STOM :		

- Live two-way intercom
- Live audio & live broadcast
- Pre-recorded messages based on time, location or event



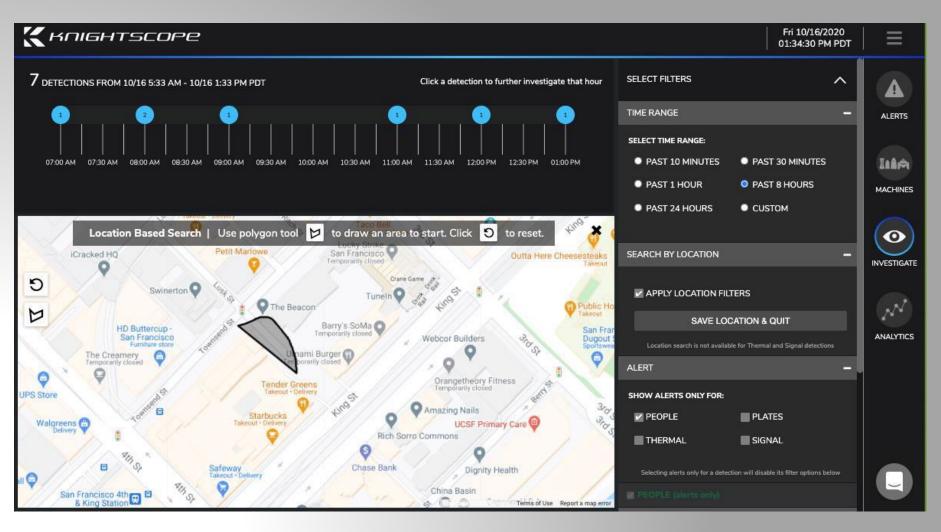
Activity-Based Investigation <a>left



The investigate page allows KSOC users to access forensics the robot has gathered by letting them filtering alerts by the following categories:

- Time Range
- Machine
- Alert Type

Location-Based Investigation 🔞



Focus on alerts in a given location based on time, type of alert, and more.





The analytics page displays data gathered by the ASR in simple graphical and tabular form:

- Top 10 plates (Parking Meter)
- Top 10 signals
- Device statistics
- Machine usage
- LTE usage

AUTONOMOUS SECURITY

Automatic License

Plate Recognition





360 Degree HD

Force Multiplying **Physical Deterrence Video Streaming**



Live Audio

Broadcast

o∥ej

Two-Way

Intercom



People

Detection

Pre-Recorded

Broadcast Messages



Facial

Recognition



24/7 Monitoring

Analytics

Parking Meter

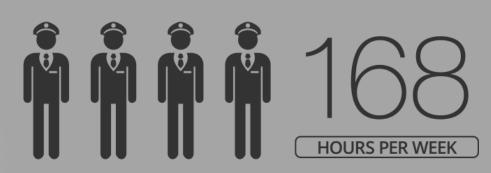
Investigate

Autonomous Charging

Knightscope Integrated Weekly Coverage



Traditional Guard Weekly Coverage



Save money while getting more hours of coverage with our Autonomous Security Robots

NE

Thermal Anomaly

Detection



Elevated Body Temp

(EBT) Detection

Patrol

Scheduler



Automatic Signal

Detection













	Human Manned Guarding	Autonomous Security
National Hourly Rate	\$12.39	\$6 - \$12
Benefit Burden (25%)	\$3.10	NA
Company Overhead	\$1.25	Included
Company Profit	\$0.87	Included
Hourly Rate	\$17.50	\$6 - \$12
Employee Turnover Rate	Up to 400%	0%
Easy to Recruit	No	Yes
Always Trained and on Time	No	Yes
Always on Best Behavior and Attitude	No	Yes
Follows Orders Consistently	No	Yes
Advanced Detection Capabilities	No	Yes
Improves Capabilities Over Time	No	Yes
Hours Available per Week	40	168
24/7 Monthly Cost	\$14,800	\$4,500 - \$8,300

Weekly Cost Comparison

Security Guards

- Coverage: One post
- 24/7/365 = 168 Hours per week
- Average hourly bill rate: \$22.00
- Weekly cost: \$3,696.00





- Coverage: 1 Post
- 24/7/365 = 168 Hours per week
- Hourly Cost: \$6.85
- Weekly Cost: \$1,152.88



Stationary K1 Robot

- Coverage: 1 Post
- 24/7/365 = 168 Hours per week
- Hourly Cost: \$2.79
- Weekly Cost: \$470.19

AUTONOMOUS SECURITY



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