

R4

AI-powered outdoor security

Always watching. Always protecting.



Revision 4.0

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Market overview

North America's commercial sector is grappling with a notable upsurge in theft and crime.

Reflect on these alarming statistics:

> Auto Theft

In Canada, auto theft has surged dramatically between 2021 and 2023, with notable increases in Ontario (48.2%), Québec (57.9%), and Atlantic Canada (34%). Similarly, in the USA, vehicle thefts increased by an alarming 27.43% between 2019 and 2023. This rise has significantly impacted parking lots and car dealerships.

> Gun-Related Crime

Canada has experienced a 42% rise in gun-related crime since 2013, with a significant concentration in Toronto. This trend presents a growing concern for Canadian society and business owners nationwide. In the USA, active shooter incidents increased by 60% between 2019 and 2023, highlighting a similar concern for public safety.

> Construction Site Theft

Annually, \$46 million worth of equipment is stolen from construction sites in Canada. In the USA, the annual loss ranges from \$300 million to \$1 billion, indicating a substantial and persistent issue in the construction industry.

Guard-in-the-box.

A rugged, LTE-connected, AI-enhanced sentinel with far-reaching vision and smart defense, ensuring unwavering security in the harshest conditions.

Beacon of security

- › Bright, automated LED Strobe Light atop the box deters intruders and guides security services to the scene.

High-speed LTE

- › Equipped with a robust antenna and LTE data, ensuring high performance connectivity and enhanced bandwidth for seamless streaming.

Clear images day & night

2 motorized bullet cameras

- › 5MP resolution
- › 45m infrared range
- › 2.8-12mm varifocal lens
- › Low lux rating of 0.05
- › SD card storage up to 128GB
- › 40-100m cloud analytics detection range

Robust stainless steel box

- › NEMA 4-rated enclosure, engineered to shield against rain, dust, extreme temperatures, and equipped with anti-electromagnetic interference protection.

Reliability redefined

- › AktivSense, our powerful security camera health monitoring AI, detects camera view problems (tilt, blur, obstruction, low light, glare, blank/black screens, and more), connectivity issues, recording failures, and hardware malfunctions and alerts users either in real-time or through scheduled reports.

Safeguarding data

- › Cloud recording of events for 90 days

Smart fan control

- › An intelligent cooling system that springs into action as temperatures climb, featuring remote monitoring and customizable settings for superior temperature management.

Immediate intrusion deterrence

Horn loudspeaker

- › 120 dB speaker
- › Delivers clear voice talk-down over distances up to 600 feet
- › IP67 waterproof

360 degree view

PTZ camera

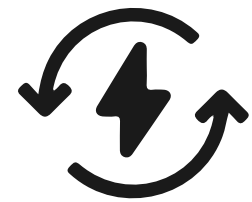
- › 4MP resolution
- › 20m infrared range
- › 2.8-12mm lens motorized
- › Low lux rating of 0.001 for superior image quality
- › SD card storage up to 128GB
- › 40-600m cloud analytics detection range

Our box is also equipped with:

- › Power lighting protector: Shields the box from electrical surges due to lightning, ensuring continuous operation.
- › Surge protector fuse: Stops the flow of excessive current to protect the electrical conductors from catching fire.
- › The interior of the box is lit by LED.

*** Coverage distances may vary with camera configuration.**

Eyes everywhere.



Connect the box to a standard 120V power outlet.



The Autonomous Security Box is connected to Sirix's command center.



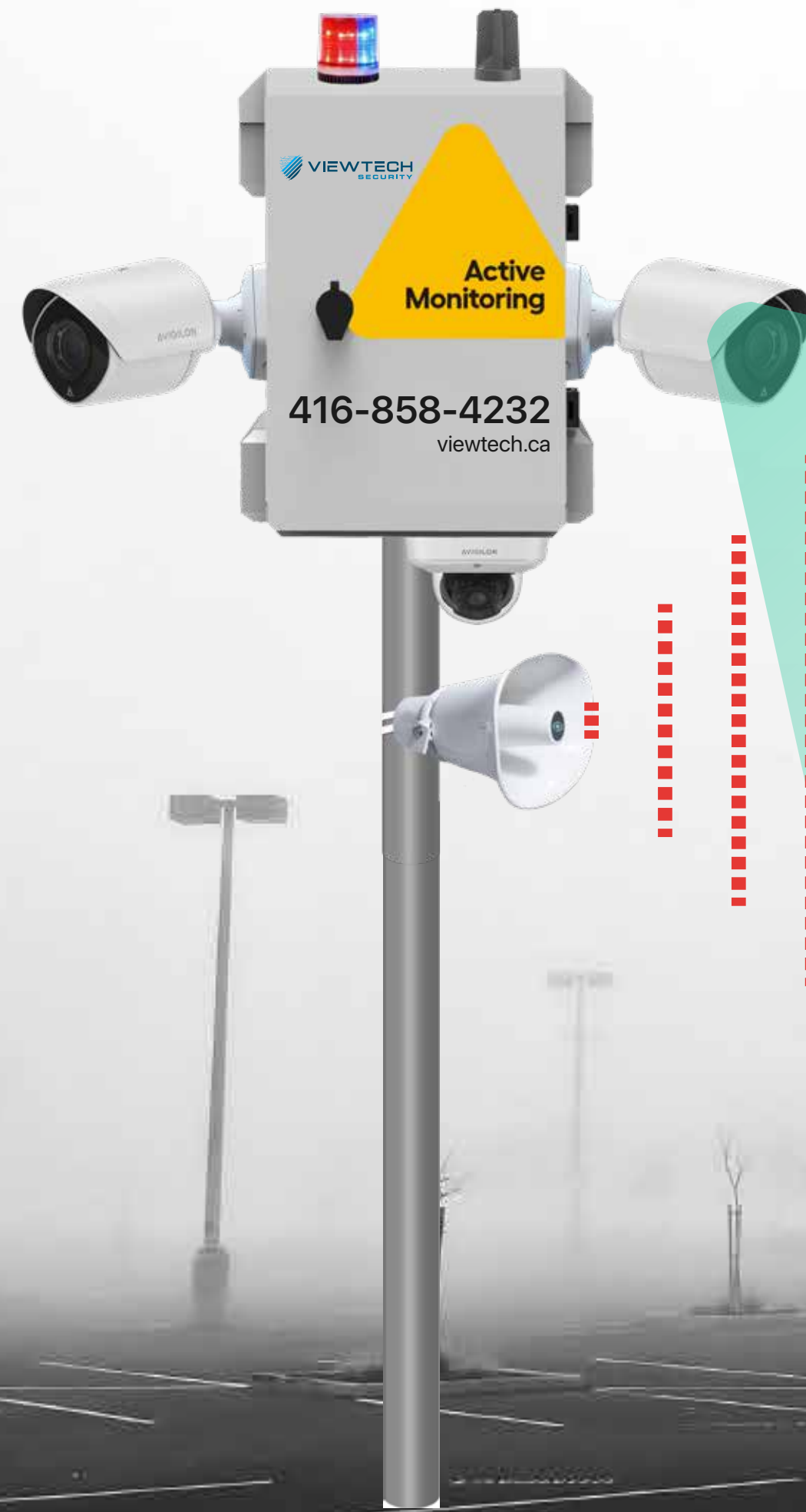
Action as per client's SOP.

Based on the situation and the Standard Operating Procedure (SOP), the operator might:

- › Engage the intruder via voice talk-down, alerting them of detection.
- › Contact the designated emergency personnel.
- › Dispatch police or security teams to the site.

Secure horizons.

Thwart threats with powerful voice interventions.



Beyond surveillance.



Intruder detection.

When an intrusion is detected on the site, a video alarm is displayed on one of the operators' stations.



Footage analysis.

The operator examines the video footage to confirm the situation.



Voice intervention.

The operator performs a voice intervention, the best tactic to keep intruders away.



Operation success.

The intruder leaves the secured site.



Ultimate deterrence.

As the news spread, intruders decide to go elsewhere to commit theft.



Event recorded.

A report is automatically generated and saved in the client's account in Sirix's portal.

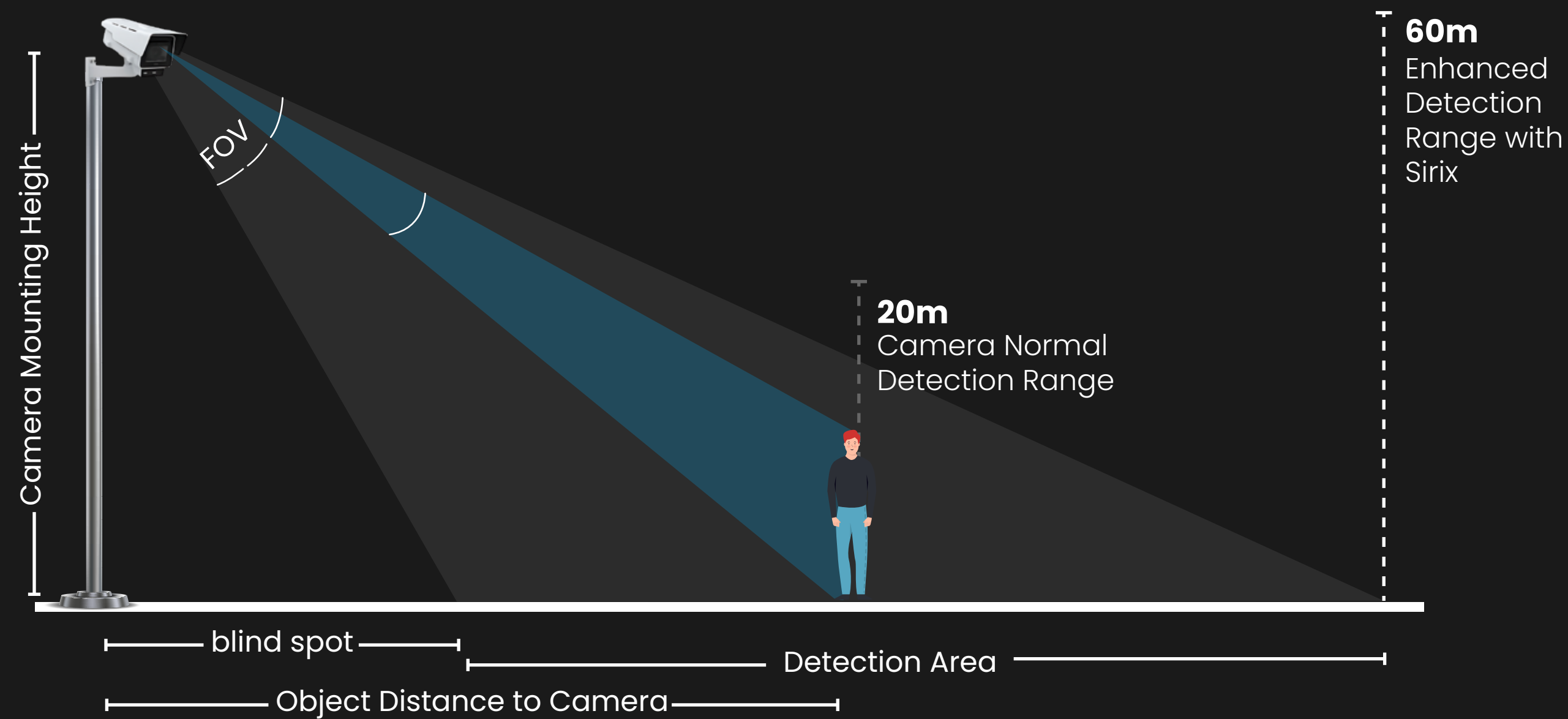


Security procedure alternatives.

In the rare cases where the intruder remains on site despite the voice intervention, the security operator will follow the established SOP, which may include calling the emergency contact or dispatching the police or security guards.

Triple threat shield.

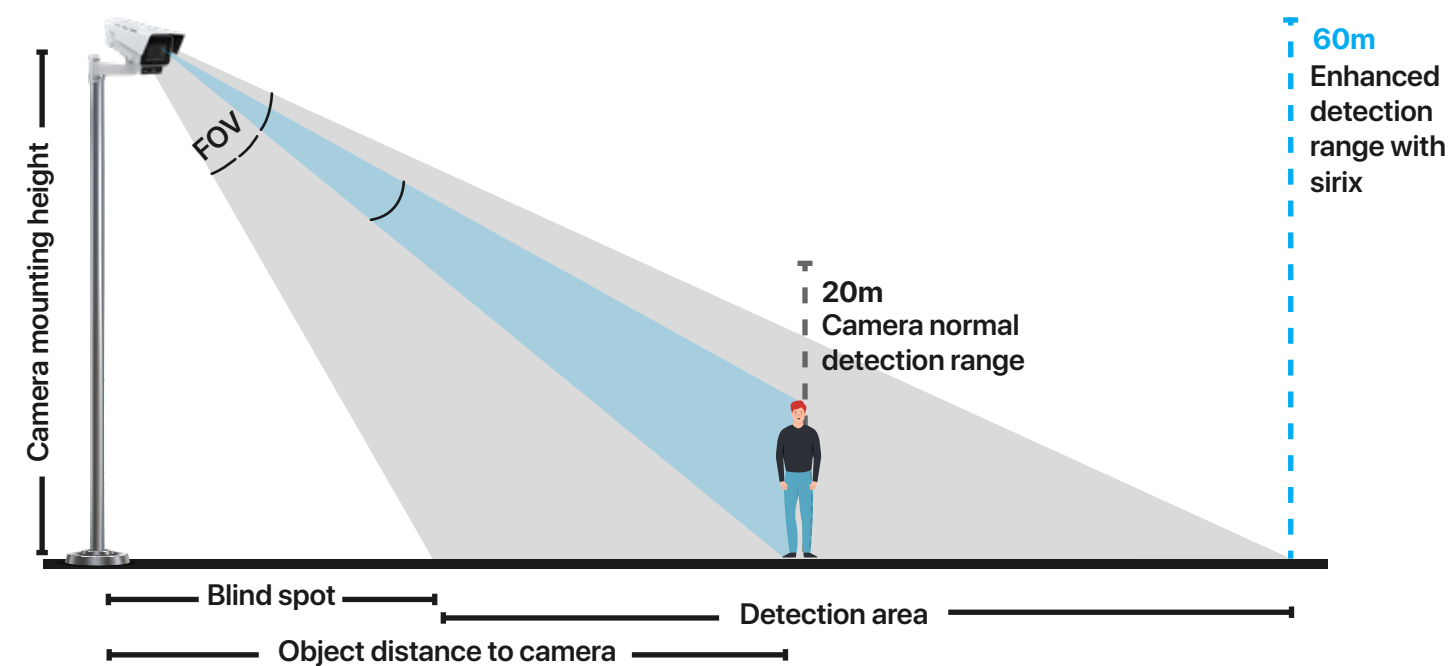
Boost your site's protection threefold with Sirix's Cloud AI, ensuring unparalleled detection coverage.



Max range. Max precision. AI's broadest vigil.

Enhance your camera's AI detection range at its widest angle, while still maintaining accuracy.

Side view



This graphic shows the extended detection range of the camera when set to its broadest angle (**2.8 mm or 90° HFOV**).

Top view



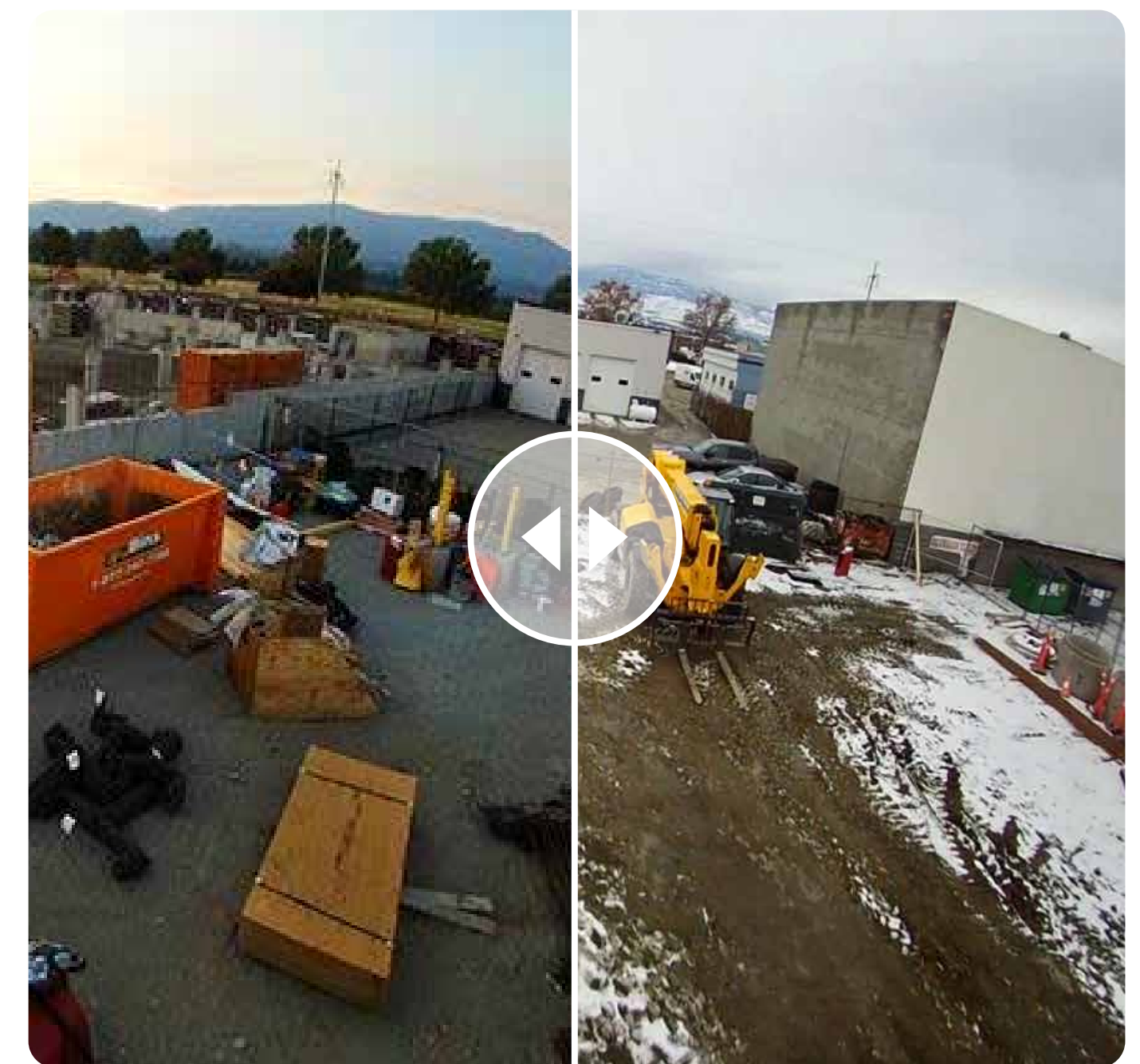
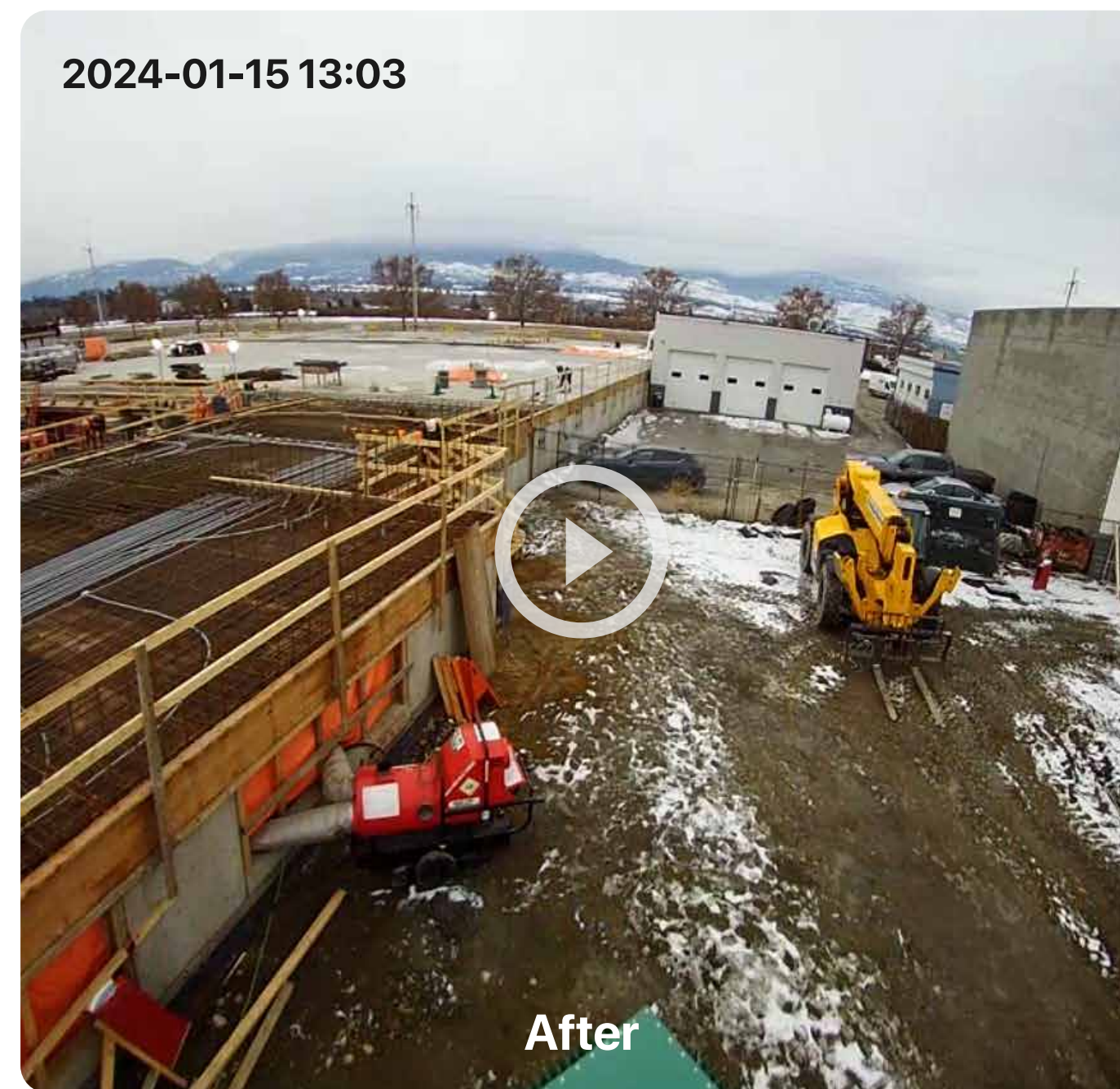
This top-down graphic shows the expanded detection area of the camera with Sirix enhancement, when set to its widest angle (**2.8 mm or 90° HFOV**).

Time-lapse magic.

Click, capture, condense.

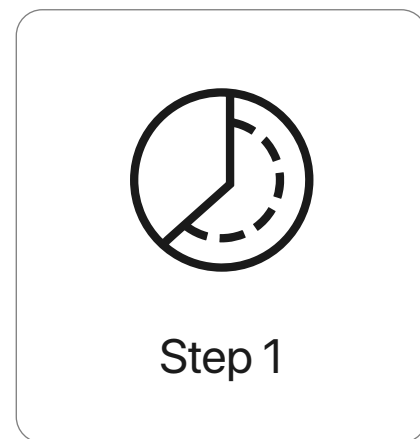
Create your timelapse video instantly via our web portal.

Select dates and easily compare before and after with a quick slider.



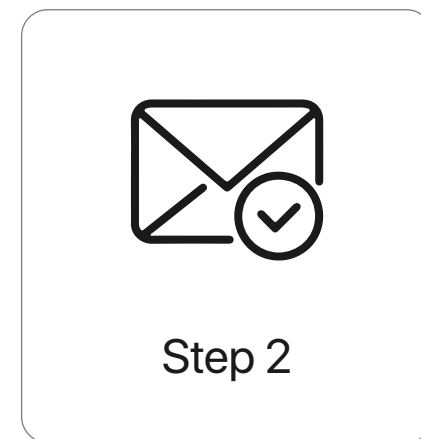
Cinematic clock captures.

With just a few clicks, transform moments into time-lapse masterpieces.



Step 1

Choose your time-lapse video's start & end dates.



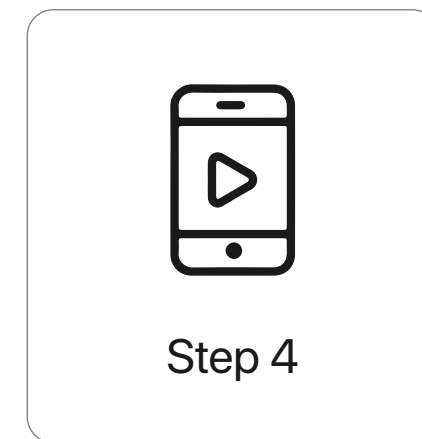
Step 2

Look for an email from Sirix in your inbox.



Step 3

Follow the link in the email to download your video promptly.



Step 4

Utilize the video for any desired application, including project monitoring, marketing, or safety training.



From inception to infinity.

Capture your project from start to completion in high-resolution. Time-lapse videos are a great way to show clients and stakeholders the breadth and intricacy of your project.

Monitoring milestones.

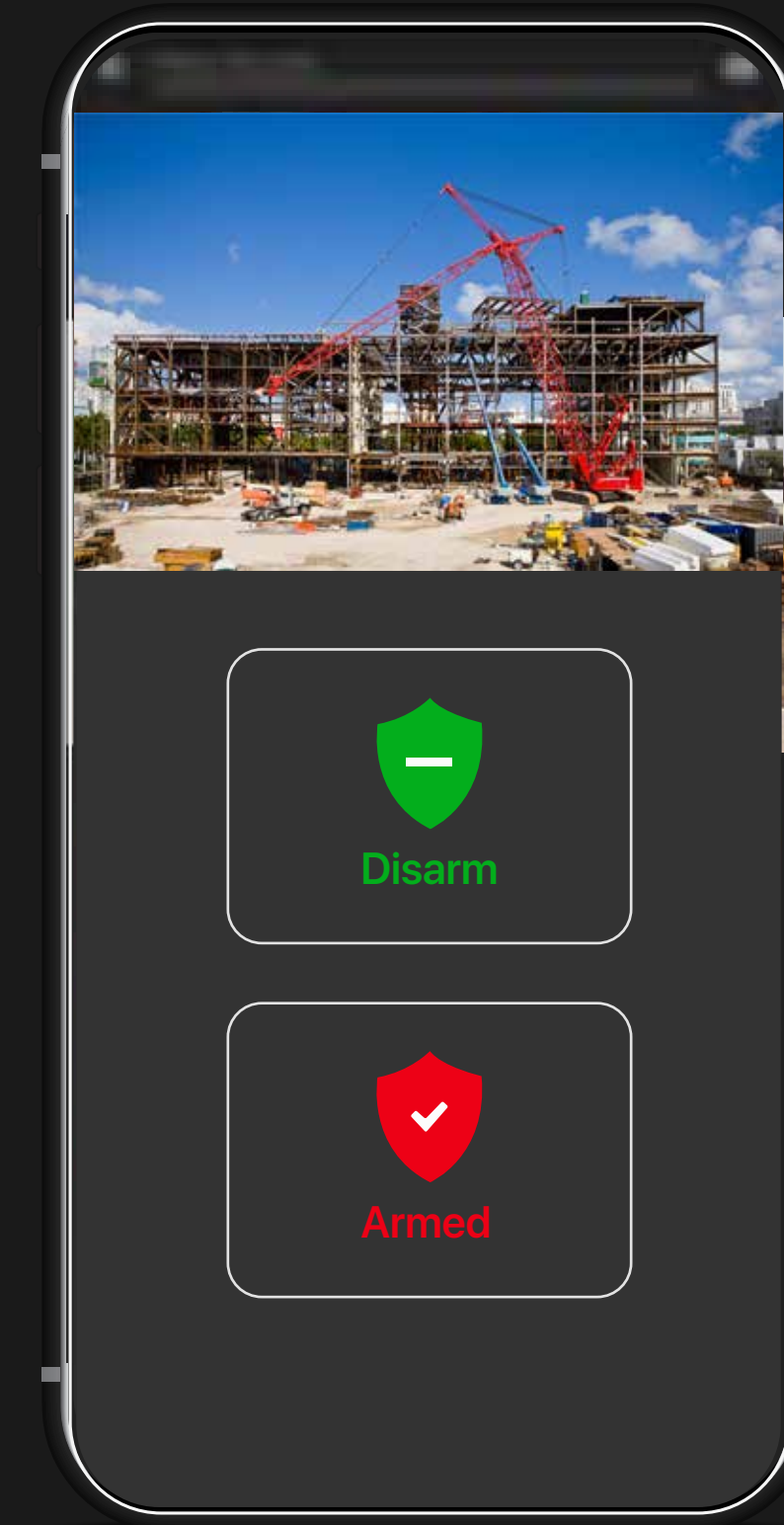
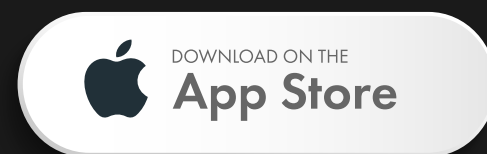
Keep your project on track. Our time-lapse solution documents your project's progression and tracks progress against the timeline.

Safety in sequences.

Sirix's time-lapse solution gathers incident images for safety training and danger detection. The visual data helps create site-specific safety guides and regulations for employees.

Safekeeping simplified.

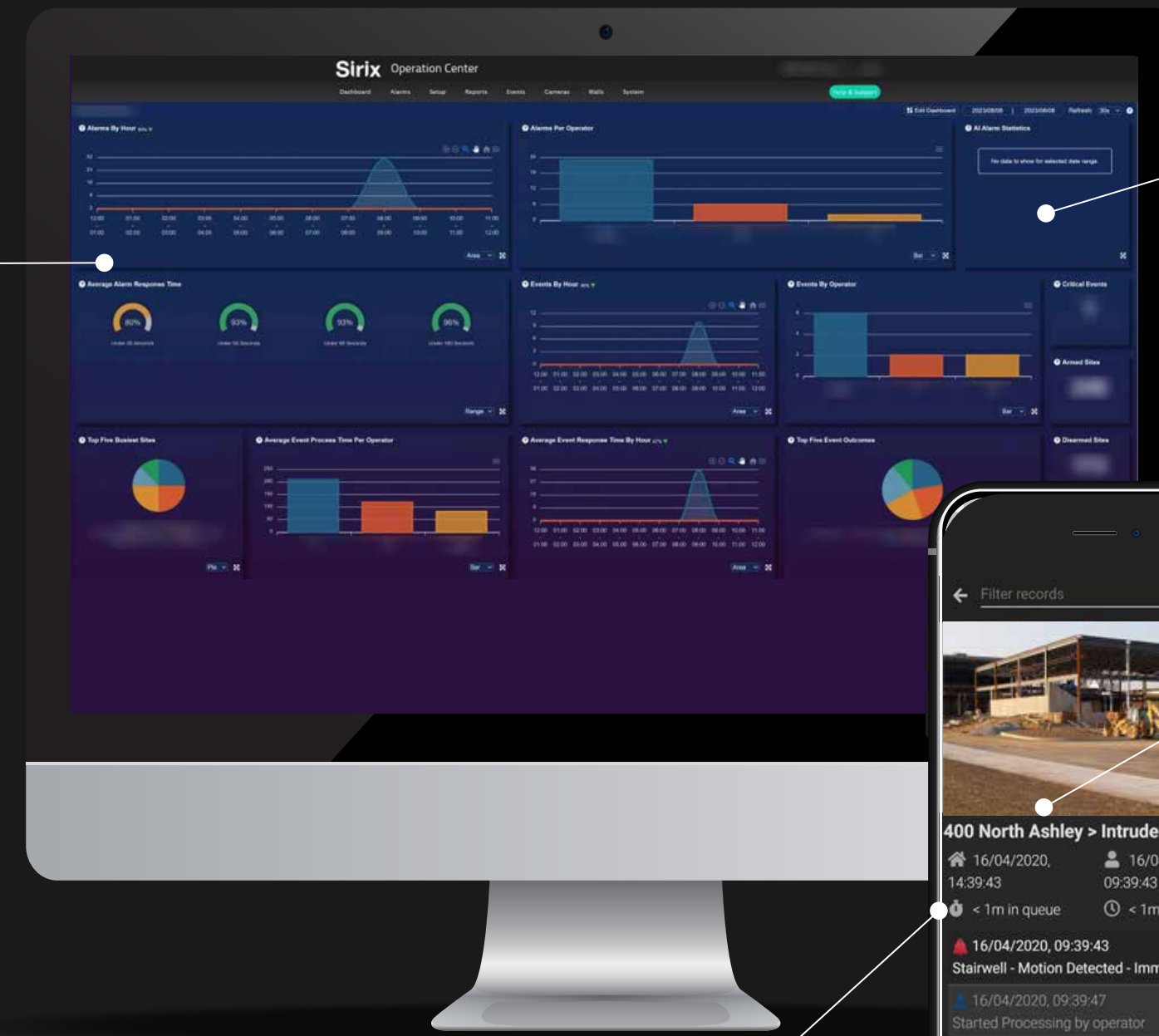
Sirix's mobile app. Arm and disarm with a touch, from anywhere.



Insight in sight.

Sirix provides tools for actionable data into your site's security performance.

Sirix's operator performance statistics for each site



Site-specific alarm numbers and outcome reports

Site name

Cause of the alarm

Date and time the event was detected

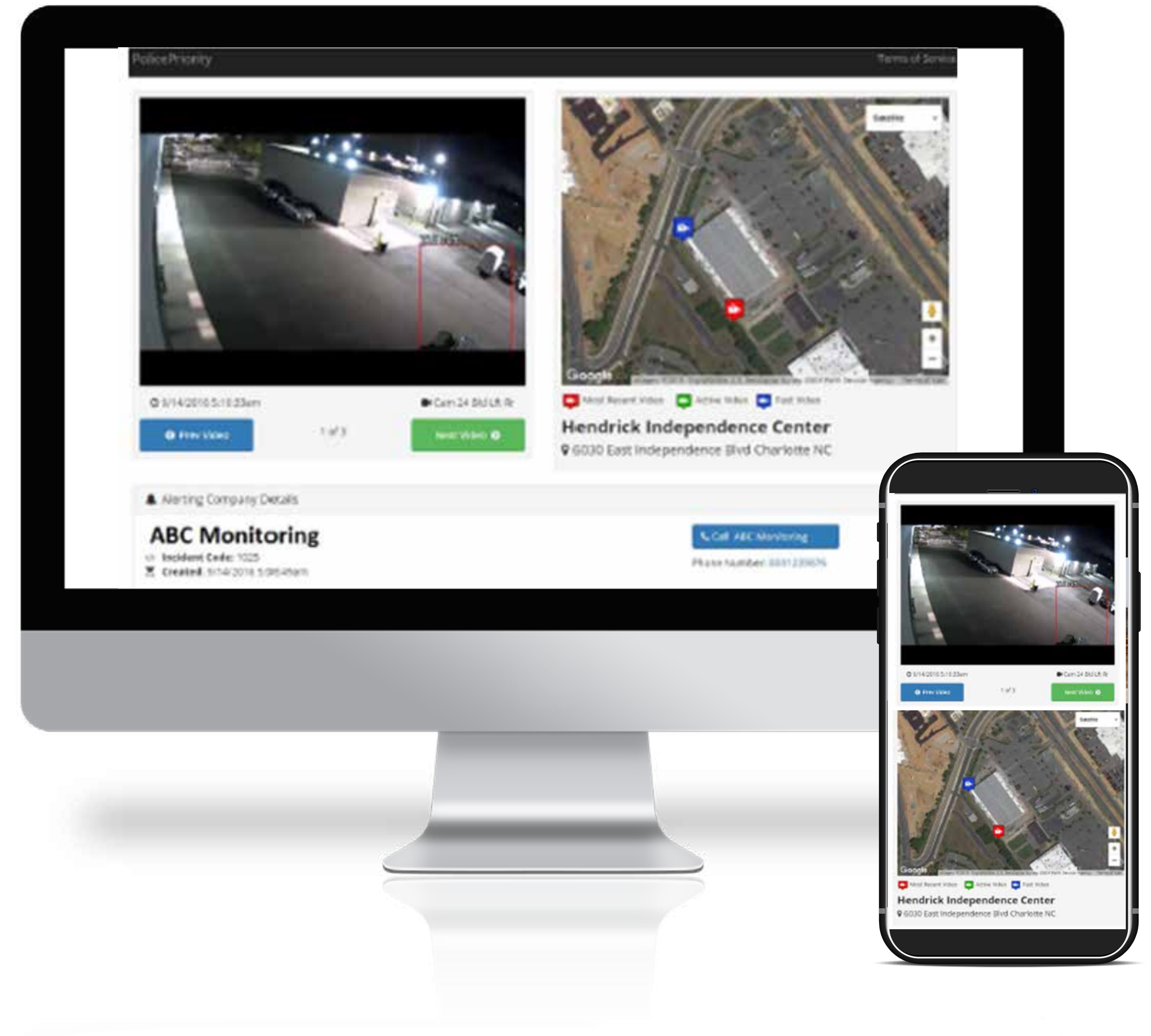
Duration for Sirix's operators to address the alarm and implement the standard operating procedure (SOP)

Response time of Sirix's operators to the alarm

Actions and timestamps of Sirix's operators in responding to the alarm

IncidentCode.

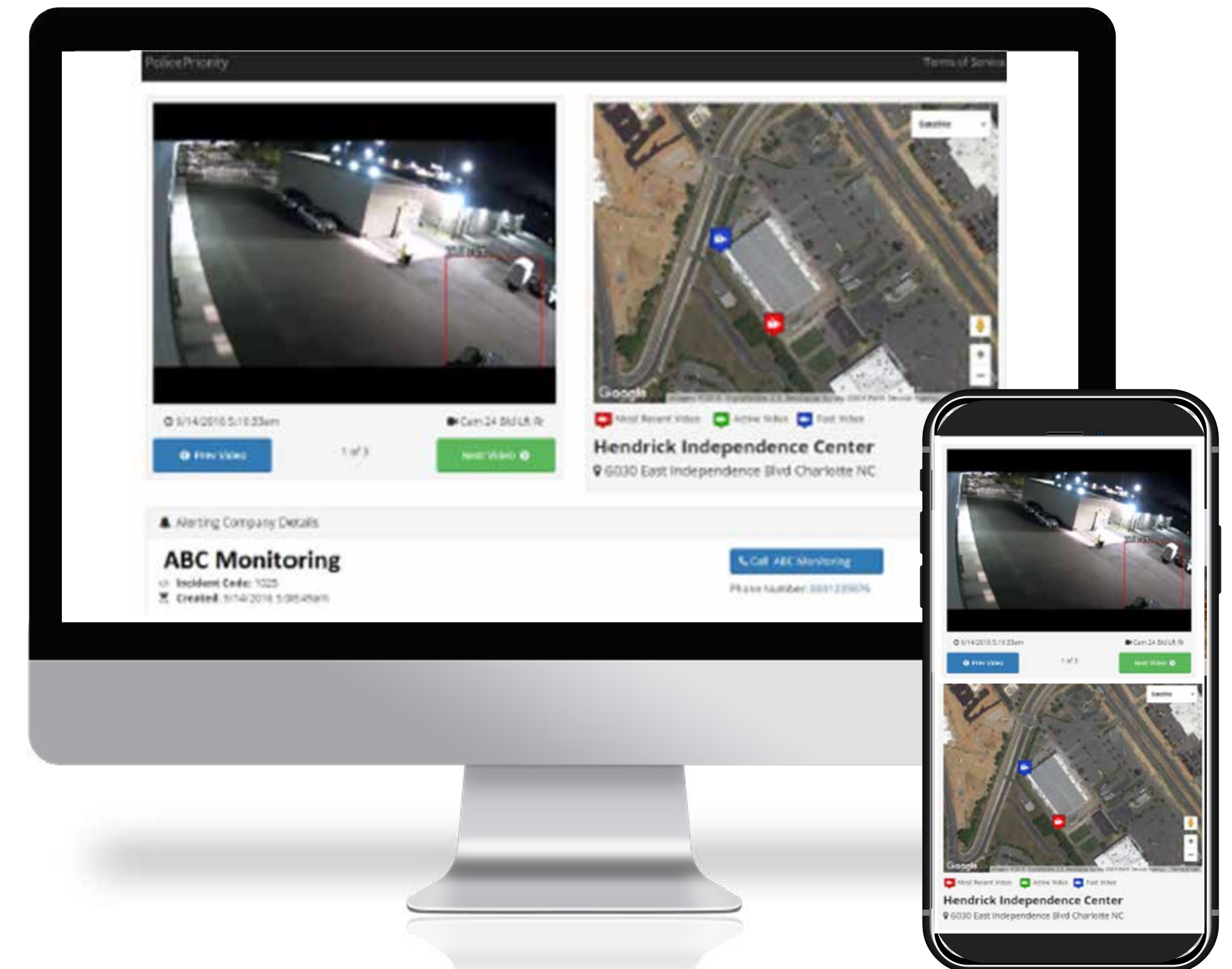
Real-time incident reports featuring images, videos, and maps for complete visibility.



Monitoring mastery.

Get real-time access, visibility, and control of every security incident on your site.

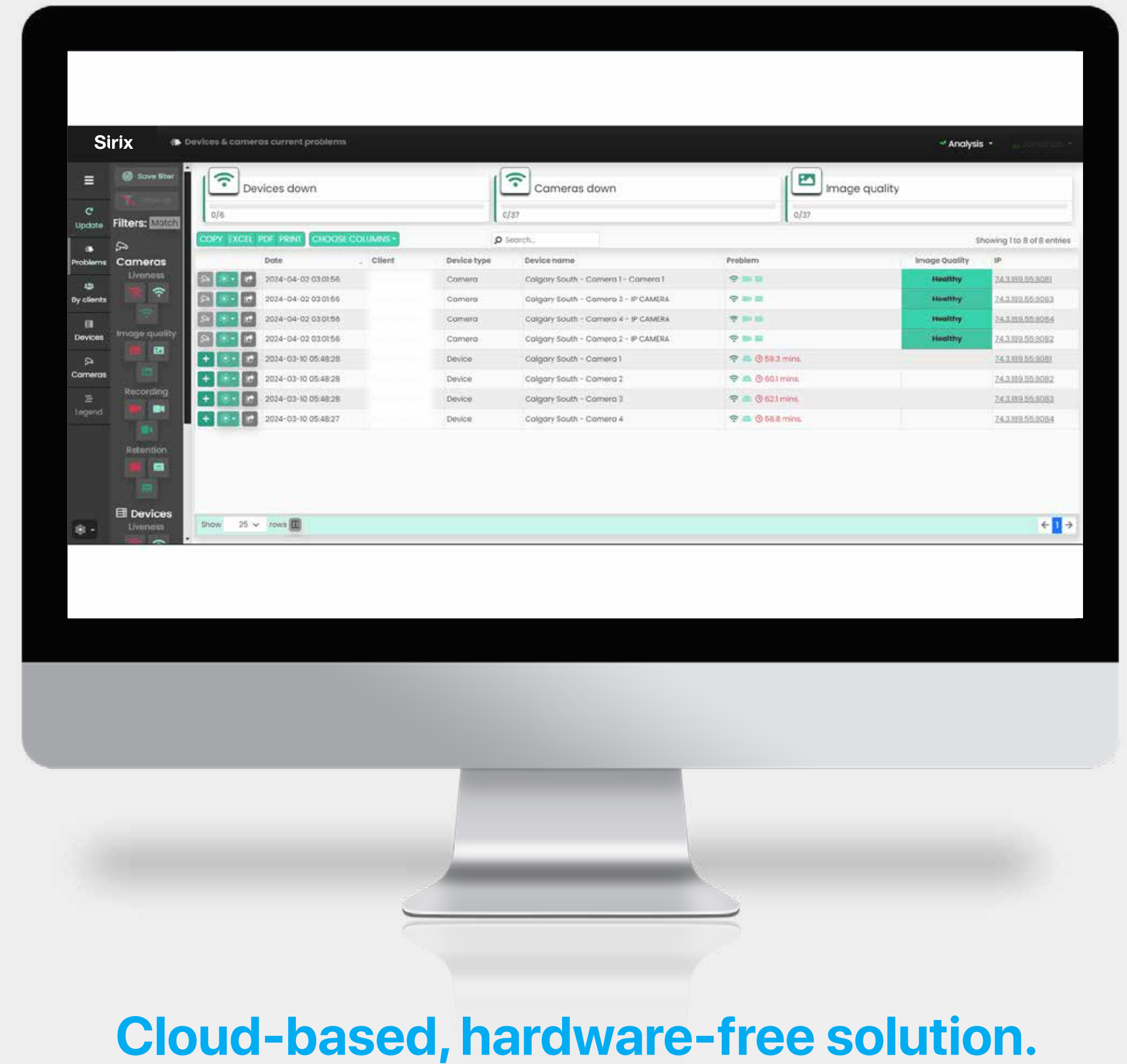
- 01.** Incident detection. Sirix's AI-driven Autonomous Security Box instantly alerts our command center upon detecting a threat or unusual activity. Trained operators then examine the video to evaluate and confirm the threat.
- 02.** Instant stakeholder alert. When an incident report is initiated, site owners and security integrators receive SMS or email alerts. Alerts include a link for real-time updates, allowing stakeholders to follow the incident as it unfolds.
- 03.** Cancel dispatch feature. Our advanced interactive reports have "Cancel Dispatch" buttons. This crucial tool allows stakeholders to stop security teams or police deployment if they deem it unnecessary, giving them more control over the incident response.
- 04.** Authority notification. If an incident demands intervention from authorities, access to the detailed report is promptly shared with police or security teams, ensuring swift and efficient communication during emergencies.



The text or email link opens a real-time report with video and images of the incident.

AktivSense.

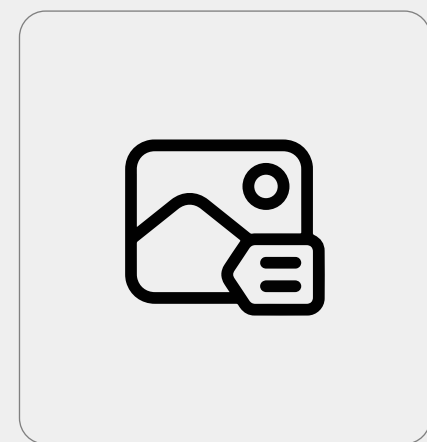
Our AI software instantly notifies you of any problems with the security camera evidence you expect to have.



Cloud-based, hardware-free solution.

Proactive protection.

Get alerts at the first sign of anomalies in your security camera system.



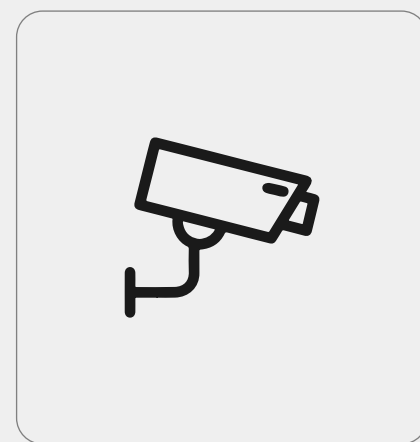
AI image integrity

We identify camera view problems.



Connection issues

We detect when the connection to the NVR or VMS is down.



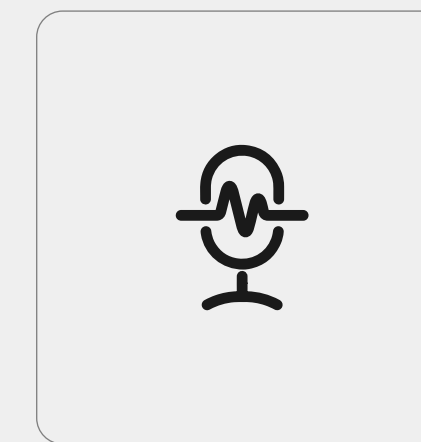
Camera failures

We monitor and alert if a camera disconnects for a predefined duration.



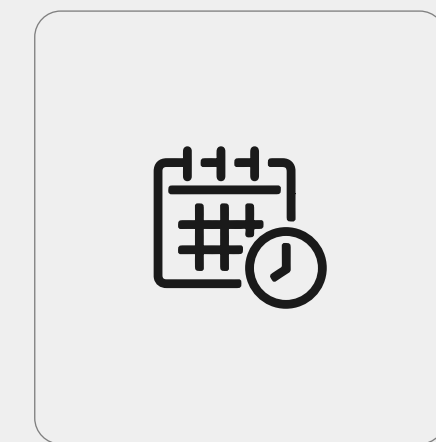
Hard disc failures

We identify hard disc read/write problems.



Recording issues

We alert if the recording duration is below expected.



Time & date inaccuracy

We notify when the time is incorrect or tampered.

Camera view issue alerts.

Desired view



Desired view



Desired view



Desired view



Desired view



Desired view



Blurry view



Obstructed view



Tilted view



Glared view



Dark view



Faulty view



System performance reports.

Receive clear, actionable reports to evaluate system performance over time and support decision-making.

Health report

Server 1

Recorder liveness: Recorder is live.
 Hard-drive status: All hard-drives are OK.
 Camera liveness: All cameras are live.

Camera recording info:

Camera name	Problem	2026
Lobby	No recordings in the last 3 hours.	Wed, Jan 03, 2024 at 09:37 PM
Ops	No recordings in the last 3 hours.	Wed, Jan 03, 2024 at 09:37 PM

Server 3

Recorder liveness: Recorder is live.
 Hard-drive status: All hard-drives are OK.
 Camera liveness: All cameras are live.
 Camera recording info: All cameras have recordings for the last 3 hours.

Server 4

Recorder liveness: Recorder is live.
 Hard-drive status: All hard-drives are OK.
 Camera liveness: All cameras are live.

Camera name	Problem	2026
PS - Camera 3	Not live	Fri, Feb 02, 2024 at 11:40 PM
PS - Camera 8	Not live	Fri, Feb 02, 2024 at 11:40 PM

Camera recording info: All cameras have recordings for the last 7 hours.

Visual & detailed report

Camera name	Reference image	Problem	Latest image
Fleet maintenance - Camera 3		Blurry view	
T3 - Lot - Camera B		Faulty view	
Marina - Camera 5		Obstructed view	

Proof of work report

Location	Address	Device Uptime	HDD OK	Time drift	Cams Live	Cams Recent Recs.	Cams Longterm Recs.	Cams Healthy View
Campus	192.168.73.1:1080	100.0%	0.0%	0 mins	27.1%	7.0%	100.0%	51.9%
City Hall	192.168.73.1:1080	92.0%	0.0%	0 mins	99.7%	95.8%	97.4%	99.4%
Fleet Maintenance	192.168.73.1:1080	100.0%	97.1%	0 mins	100.0%	97.9%	97.2%	98.9%
General Services	192.168.73.1:1080	98.6%	97.4%	0 mins	100.0%	99.1%	100.0%	99.4%
IR Holmes/Campus Hills		0.0%	0.0%	0 mins	1.3%	98.8%	99.7%	99.9%
PWOC	192.168.73.1:1080	98.5%	97.6%	0 mins	100.0%	98.8%	100.0%	99.9%

Visionary vigilance.

Mounting options for Sirix's Autonomous Security Box:



Pole-mounted A

Mounting hardware & accessories

- Set of 2 semi-circle hoops
- 4 nuts
- 4 screws

Note: This mounting option is suitable for poles with diameters of 76 mm, 89 mm, or 114 mm.



Pole-mounted B

Mounting hardware & accessories

- Set of 2 semi-circle hoops
- 4 nuts
- 4 screws

For poles of various shapes:

The 1.2M mount is suitable for poles with diameters ranging from 50mm to 360mm.

The 1.8M mount is compatible with poles having diameters between 220mm & 550mm.



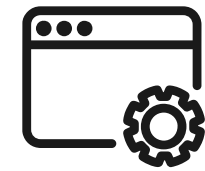
Wall-mounted

Mounting hardware & accessories

- Set of 2 big hangers
- Set of 2 small hangers
- 4 nuts
- 4 screws

Dimensions	
Model	SASB-3R3T
Overall Size (W*H*D)	300*400*200mm
Inner Size (W*H*D)	250*350*140mm
Weight with equipment (kg)	22kg

The autonomous box's boundless benefits.



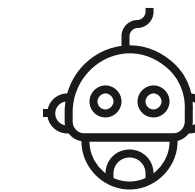
Fast deployment

Quickly set up for immediate security coverage.



Versatile placement

Easily positioned anywhere, be it a pole or wall mount.



Advanced AI detection

Cameras can be layered with AI for specialized functions like license plate recognition and smoke & fire detection.



Theft deterrence

Real-time voice interventions via loudspeakers & strobe lights deter theft, vandalism, & intrusions.



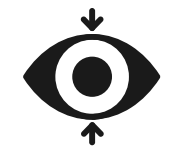
Adaptable mobility

Conveniently relocate as the project evolves & easily remove once finished.

Technology

Advanced video analytics

Sirix provides AI-driven features to redefine perimeter protection and elevate threat detection through video insights.



Object detection

Detect pre-defined objects and stop intrusions.



Long-range object detection

Precise detection of objects at a distance using image analysis.



Mask detection

Identify mask-wearing individuals for health and theft prevention.



Time-lapse

Showcase project progress in high-definition clarity.



Intrusion detection

Detect unauthorized access and halt intrusions.



Violence detection

Spot violent actions, ensuring immediate safety response.



False alarm filtering

Eliminate 99.5% of false alarms, focusing on real threats.



Gun detection

Detect visible guns promptly, ensuring critical response.



Tailgating (cars)

Spot vehicles using one pass, mitigating issues.



Shoplifting detection AI

Prevent shoplifting through continuous detection of shoplifting-related gestures.

Technology



Person search

Locate individuals using distinct attributes without facial recognition.



Traffic flow analysis (TFA)

Analyze crowd movements for improved safety, efficiency, and marketing insights.



License plate recognition

Accurate plate detection vital for parking security.



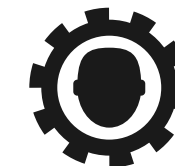
Time alerts (parking lots)

Monitor vehicle duration, alerting on overstays.



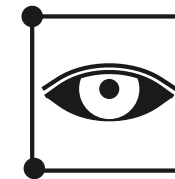
Smoke & fire detection

Detect smoke and fire, ensuring swift safety action.



Crowd detection

Analyze crowd behavior and size, providing safety insights.



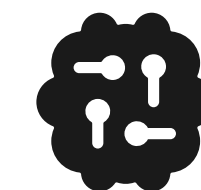
Loitering detection

Alert based on lingering durations for enhanced security.



Slip and fall detection

Identify falls in real-time, triggering safety measure.



Custom-made AI solution

We can provide customized AI solutions for any industry or business.



AI-powered solutions

Collaboration fuels daily creativity. Together, we
overcome major challenges.

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