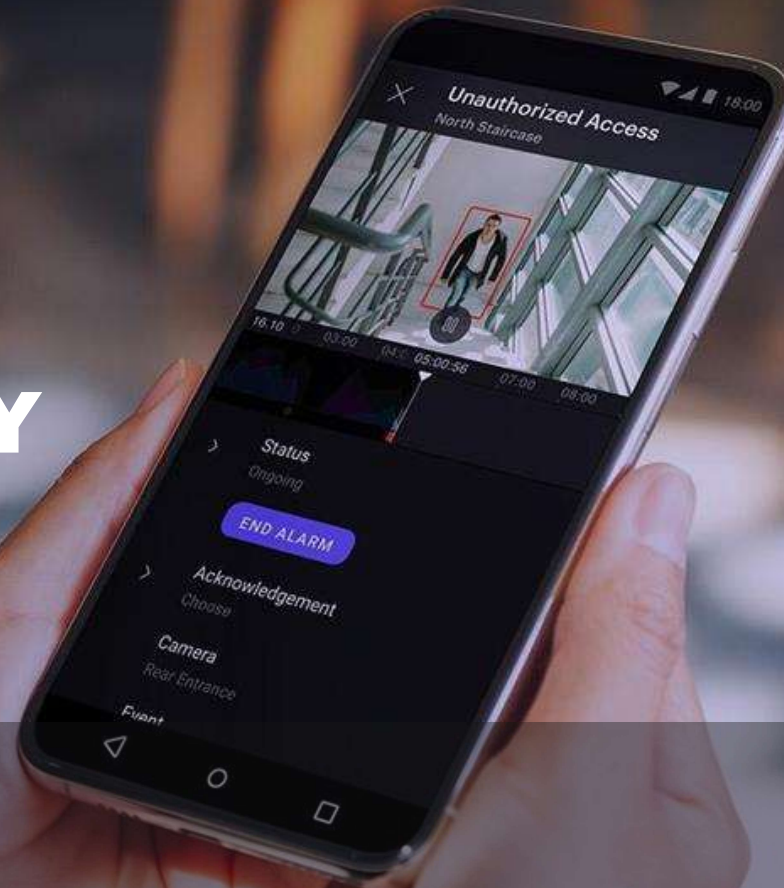


AVA CLOUD VIDEO SECURITY

Get the whole picture

November 2022



MOTOROLA SOLUTIONS

AVA
a Motorola Solutions Company

AVA PROVIDES MODERN CLOUD-BASED SECURITY

Founded in 2016, to create a better, smarter and simpler way to deliver security.

We protect people, property, and data anywhere with an open, cloud-native approach.

Innovative companies worldwide use Ava Aware Cloud® for video security and analytics.

In 2022, Ava was acquired by Motorola Solutions.



reddot winner 2021



reddot winner 2022



TRUSTED BY INNOVATIVE COMPANIES AROUND THE WORLD

EDUCATION



CRITICAL INFRASTRUCTURE



HEALTHCARE



DIGITAL



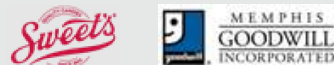
HOSPITALITY



COMMERCIAL & REAL ESTATE



RETAIL & AUTO



PUBLIC SPACES & MUNICIPALITIES



FINANCE & BANKING



LAW ENFORCEMENT



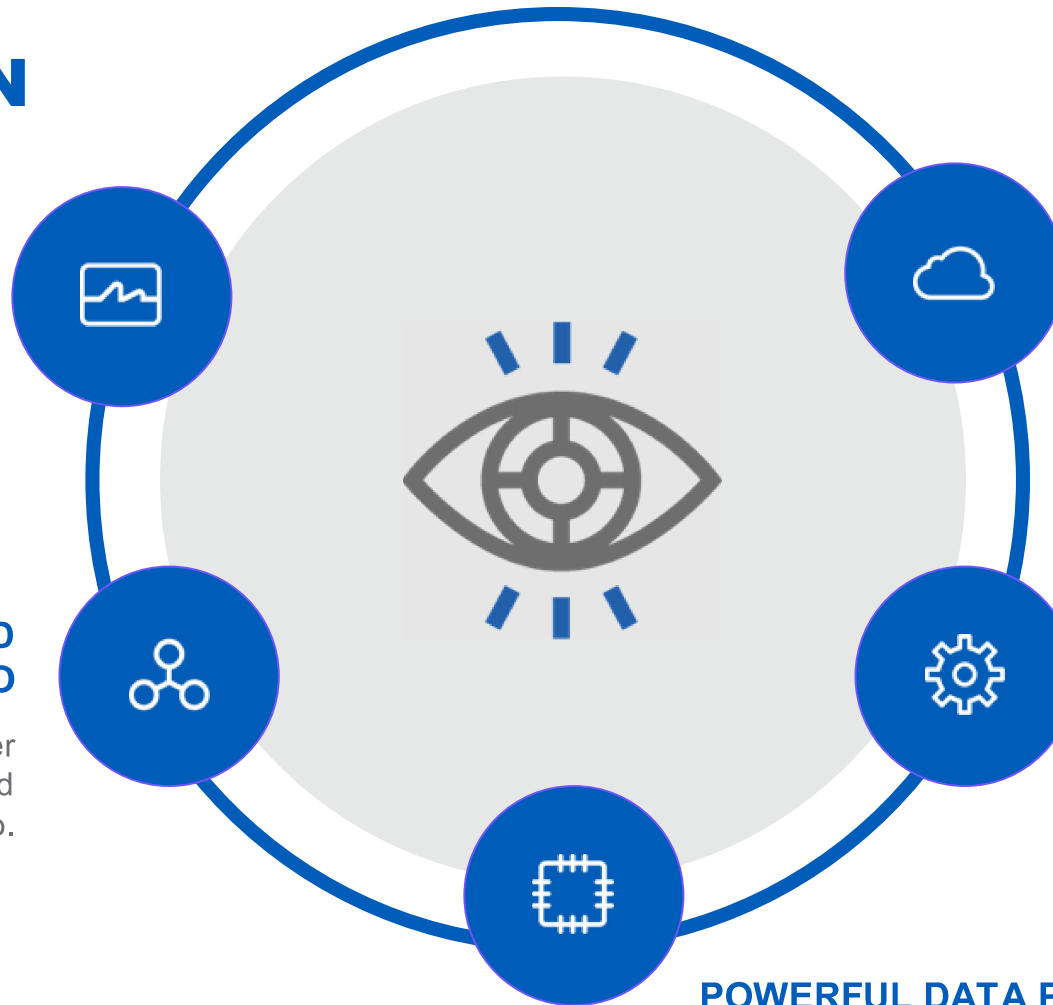
OUR VISION

SMARTER IN THE CLOUD

Better AI-driven analytics and more accuracy in the cloud across all products.

STRENGTHENED PORTFOLIO

Taking advantage of the broader Motorola ecosystem, to increase and strengthen our product portfolio.



UNIFIED CLOUD SECURITY

More cloud solutions to help customers detect and respond to threats across all their entire deployments on a single pane of glass.

INTUITIVE AND SIMPLE

Easy to install and manage, cybersecure out of the box, and always up to date in the cloud.

POWERFUL DATA PLATFORM

More insights from sensors, access control system, visualization solutions to take action now.



SECURITY IS CHANGING

FROM



COMPLEX AND VULNERABLE

- Difficult set-up
- Complex upgrades often skipped
- Hard to access and share footage
- High management overhead
- Does not get better over time



DATA OVERLOAD AND NO INSIGHT

- No proactive threat identification
- Manual searches take too much time
- No software intelligence guiding users
- No business relevant insight



CLOSED

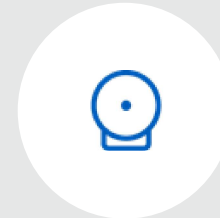
- Legacy solutions lack innovation and path to cloud
- Cloud alternatives often force rip & replace
- Cloud alternatives lack open integrations
- No smooth transition to cloud

TO



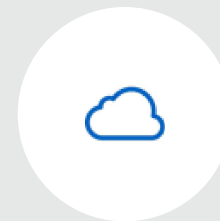
SIMPLE AND SECURE

- Reduced operational complexity and costs
- Stays secure and up to date



SMART AND PROACTIVE

- Proactive alerting
- Find much faster
- Improve business operations



OPEN & CLOUD NATIVE

- Open integrations
- Works with what you have today
- Smooth transition to cloud



THE AVA CLOUD VIDEO SECURITY SOLUTION

UNIQUE ARCHITECTURE



UNIQUE BENEFITS

- Most scalable cloud with friction-free transition
- Most open cloud platform
- Analytics everywhere
- Ava Smart Path minimizes bandwidth

SCALABLE AND OPEN CLOUD



AVA CAMERAS

- AI-based video & directional audio analytics
- Optional storage
- Gets better over time
- Online within minutes
- Highly secure

MANAGE EVERYTHING FROM ANYWHERE

- No plug-ins or downloads
- Single View of all your devices
- Proactive notifications
- Link-based sharing of video

UNIQUE CLOUD CONNECTOR

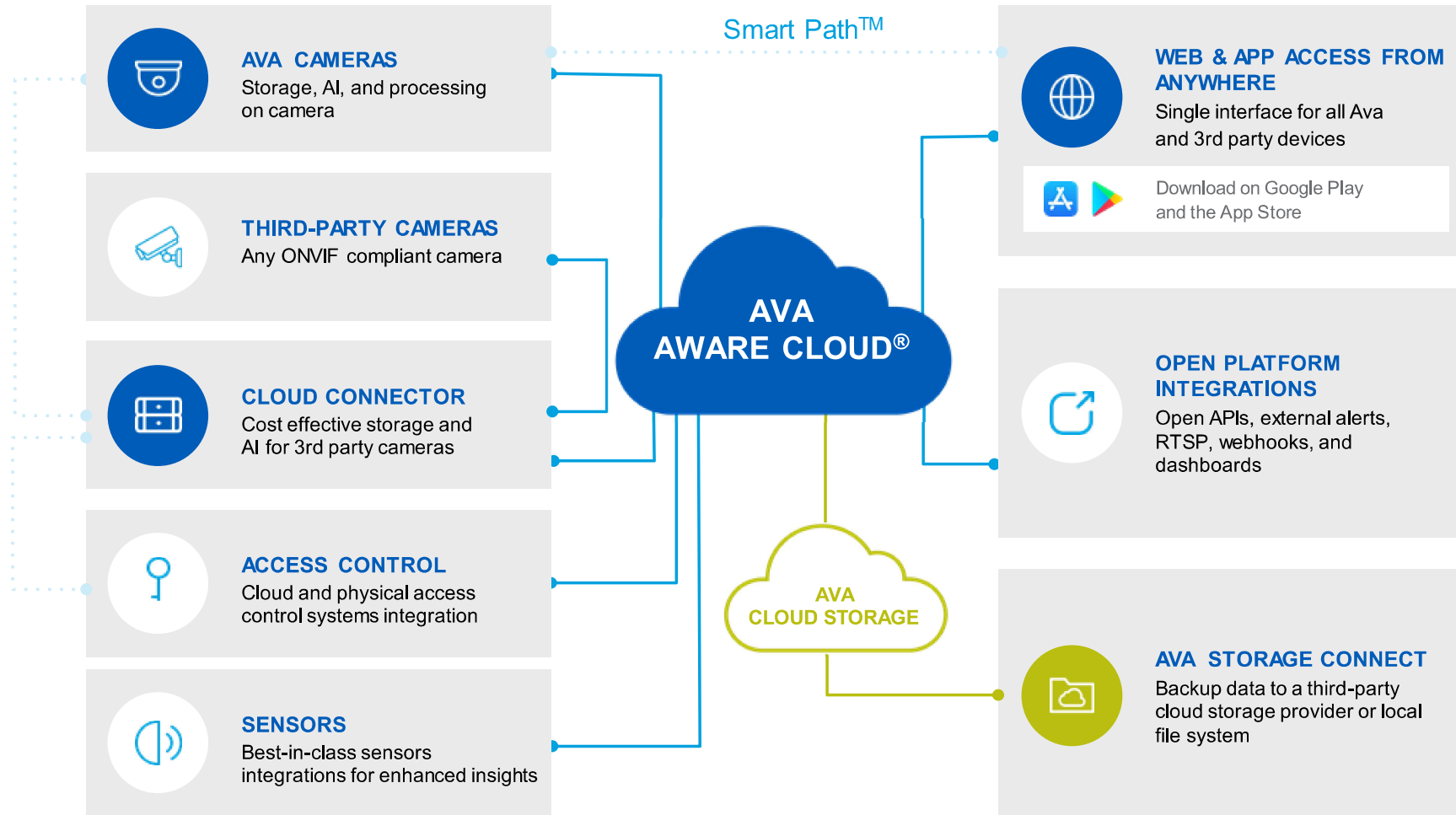


AVA CLOUD CONNECTOR

- Friction free transition
- High capacity local storage
- Hub for local integrations
- Cloud connection, AI-based analytics and storage for 3rd party cameras



THE AVA CLOUD VIDEO SECURITY ARCHITECTURE



THE AVA CLOUD VIDEO SECURITY DIFFERENCE



MOST SCALABLE CLOUD WITH FRICTION FREE TRANSITION

- A Single View interface for legacy and native cloud cameras ✓ AVA ADVANTAGE
- Best solution from small to large with cloud and Ava Cloud Connector
- Smart Path technology for optimal bandwidth experience ✓ AVA ADVANTAGE



MOST OPEN CLOUD PLATFORM

- Modern cloud, open API-based integrations ✓ AVA ADVANTAGE
- Integrates with input, processing, and output systems
- No lock in and more value through integrations



ANALYTICS EVERYWHERE WITH HIGH VELOCITY

- All cameras with latest chipsets and neural network acceleration
- AI on camera, cloud, and cloud connector
- AI scales effectively to legacy cameras ✓ AVA ADVANTAGE



THE BENEFITS OF AVA CLOUD VIDEO SECURITY







REDUCE OPERATIONAL COMPLEXITY

-  Easy to install & manage
-  Secure out of the box
-  Web & mobile access






GET PROACTIVE AND FIND MUCH FASTER

-  Detect anomalies
-  Similarity searching
-  Maps with Smart Presence
-  Simple and secure sharing






IMPROVE BUSINESS OPERATIONS

-  Occupancy counting
-  Heatmaps
-  License Plate Recognition



OPEN AND FRICTION FREE TRANSITION

-  Open integrations
-  Works with legacy cams
-  Friction free cloud transition



DEMO – AVA AWARE CLOUD



GET STARTED TODAY



reddot winner 2022



reddot winner 2021
smart product



UNIQUE CLOUD CONNECTOR™



ONE INTERFACE FOR ALL CAMERAS OLD AND NEW

Bring cloud benefits to legacy cams



MORE COST EFFECTIVE LONG RETENTION STORAGE

Store effectively on Cloud Connector



HUB FOR LOCAL INTEGRATIONS

Local integration interface



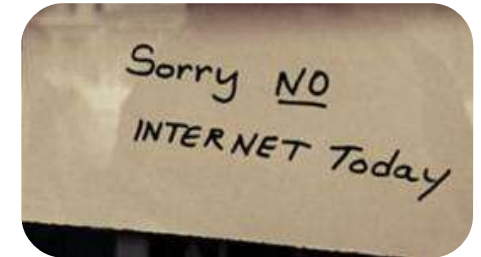
UNIQUELY SCALE REAL-TIME AI TO ALL CAMERAS

Most cost effective and advanced in industry



LOWEST FRICTION TRANSITION

Plug-and-play with familiar prem-like network topology



LOCAL ACCESS TO LIVE AND STORED VIDEO

Resilient to network and service outage



CLOUD CONNECTOR RANGE



A500

Up to 25 cameras
24TB (raw) 16TB (net)
12TB (raw) 8TB (net)



A750

Up to 50 cameras
48TB (raw) 32TB (net)



A1000

Up to 75 cameras
64TB (raw) 48TB (net)
32TB (raw) 24TB (net)



A2000

Up to 100 cameras
192TB (raw) 160TB (net)
96TB (raw) 80TB (net)



3000

Up to 200 cameras
192TB (raw) 160TB (net)
96TB (raw) 80TB (net)



INTELLIGENT SECURITY CAMERAS FOR EVERY SCENARIO



AVA COMPACT DOME®

5MP cameras for any indoor location and demanding light conditions



AVA DOME®

Rugged 4K or 5MP cameras for indoor and outdoor locations



AVA 360®

Panoramic cameras with 12MP image resolution for full situational awareness



AVA BULLET™

Powerful 4K or 5MP cameras that capture scenes in exceptional detail



AVA QUAD™

The first cloud-native multisensor with up to 20MP image resolution



AVA FLEX™

Wireless, indoor camera that makes cloud videos security accessible to everyone

THE AVA CAMERAS ADVANTAGE



Easy to install, use, and manage



Built-in AI video and audio analytics



Cloud-connectivity and onboard storage



10-year warranty



AWARE iOS AND ANDROID MOBILE APPS



INTUITIVE

Seamless and agile user experience for day-to-day video security that allows security teams to review and respond to incidents on the go from iOS and Android devices.



REAL-TIME NOTIFICATIONS

Receive notifications about alarms and anomalies on your mobile device and view the video footage associated to audio, sensors, access control, or LPR events – to name just a few.



ADD DEVICES

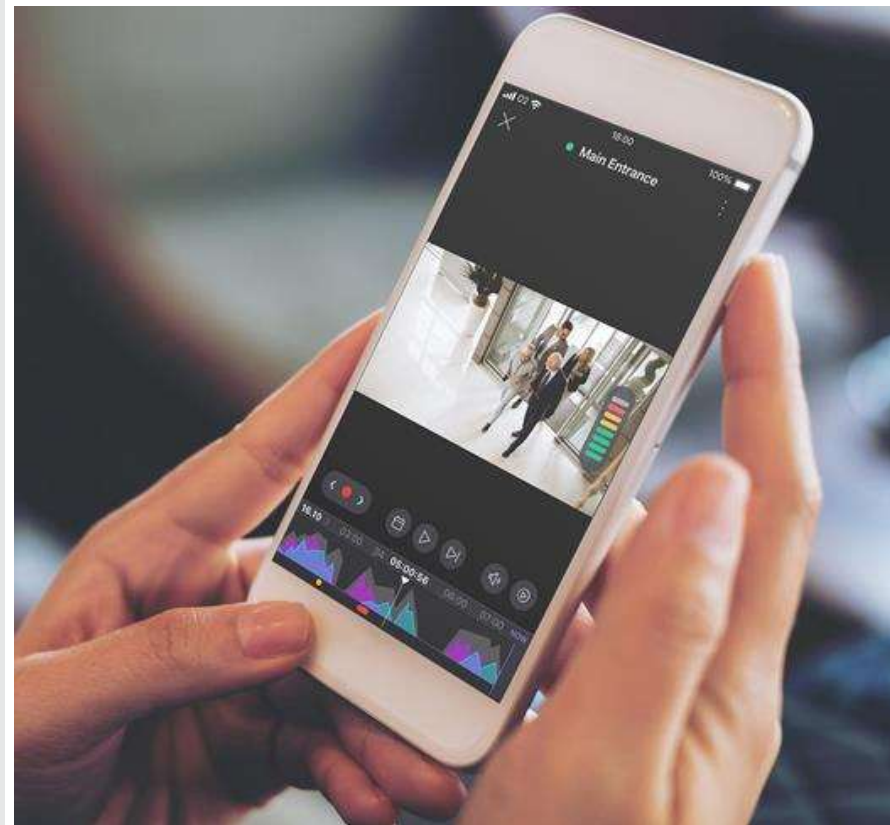
Adding and activating new devices has never been quicker. Use the apps to scan QR codes or type in a serial number to add new cameras to your deployment.



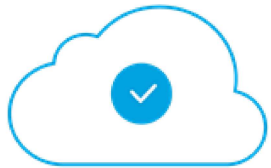
RAPID INVESTIGATIONS*

Investigate with accuracy even when you're on the move. Search by appearance or based on the rules created in Aware. Locate people and vehicles, or find sound detections captured by your cameras.

*Coming soon.



THE BENEFITS OF AVA CLOUD STORAGE



SIMPLE AND SECURE



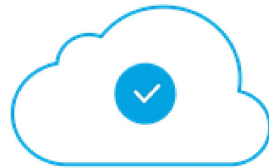
Easy to set up & manage



Secure out of the box



Uninterrupted access



SMART AND OPTIMIZED



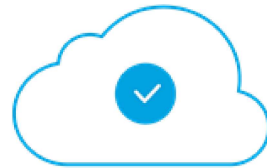
Smart Recording for
unusual activities and
events backup



Optimize bandwidth and
retention with schedules
and choice of recordings



Maximum streaming
quality configuration



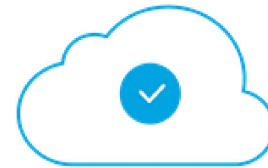
DISRUPTIVE COST SAVINGS

30

30 days of cloud storage
in the license at no
additional cost



Additional storage can
be purchased on a
pay-as-you-go pricing
model



OPEN AND CLOUD- NATIVE



Ava Cloud Storage:
flexibility and reliability



Works with legacy
cameras, Ava Cameras,
Ava Cloud Connector



Ava Storage Connect:
choose your own cloud
provider or local file
system



THE BENEFITS OF THE AWARE SENSORS INTEGRATION



FULL SITUATIONAL AWARENESS

- Smart maps with sensor readings
- Associate sensors to camera views
- Add access control points for complete overview



VALUE-ADDED INSIGHTS

- Smart, sustainable buildings
- Workplace health and safety
- Save operational costs
- Integrate with dashboards to analyze trends



ANOMALY DETECTION IN REAL-TIME

- Rules-based alerts
- Watch relevant footage from the associated camera
- Prevent accidents, equipment malfunctions, fires, and more



OPEN AND CLOUD-NATIVE

- Unlimited integrations with best-in-class sensors
- Full support and assistance to scale with your business
- Gets better over time with software updates from the cloud



Thank you!

THANK YOU



MOTOROLA SOLUTIONS

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license.
All other trademarks are the property of their respective owners. © 2019 Motorola Solutions, Inc. All rights reserved.

© 2022, Ava Security All rights reserved.

AVA
a Motorola Solutions Company



BACKUP



FOUR BIG CHALLENGES WITH SECURITY TODAY



COMPLEX AND VULNERABLE

- Difficult set-up
- Complex upgrades often skipped
- Hard to access and share footage
- High management overhead
- Does not get better over time



DATA OVERLOAD

- No proactive threat identification
- Manual searches take too much time
- Prone to human error
- No software intelligence guiding users



NO BUSINESS INTELLIGENCE

- Primarily recording solutions
- Seen as cameras, not sensors
- Fail to deliver relevant insights



LEGACY OR CLOSED

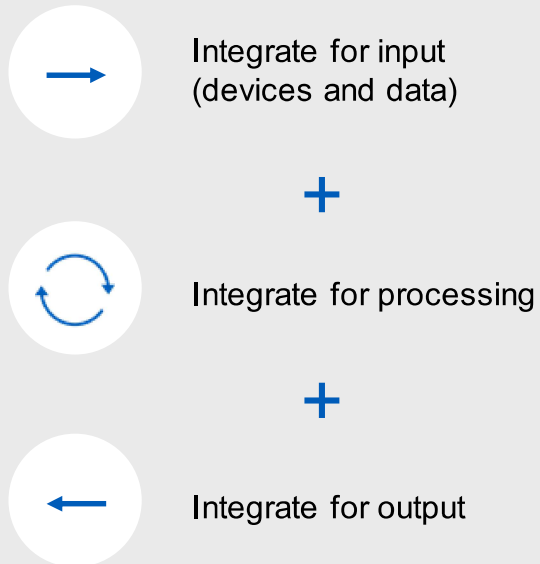
- Legacy solutions lack innovation and path to cloud
- Cloud alternatives often force rip & replace
- Cloud alternatives lack open integrations
- No smooth transition to cloud



| MOST OPEN CLOUD PLATFORM

WHAT WE DO UNIQUELY

Full openness across architecture



WHY IT MATTERS

AVA



Removes fear
of lock-in

ONVIF®

openpath

AXIS
COMMUNICATIONS

OnGuard®

More value with
integrations

salesforce

box
zoom

It's expected from
modern cloud vendors



THE AVA CLOUD VIDEO SECURITY DIFFERENCE



SIMPLE: GET STARTED IN MINUTES

Make it easier to buy, install, use and manage video security with cloud and modern user experience.



SMART: AI THAT WORKS EVERYWHERE

Use machine learning to move to solutions that can provide insights rather than just record video.



SECURE: ALWAYS SECURE AND UPDATED THROUGH THE CLOUD

Switch to cyber-hardened solutions built with IT in mind that



OPEN: INTEGRATES WHAT YOU USE TODAY

Migrate gradually with solutions that work with the systems you use today.



SENSOR INTEGRATIONS ENHANCE CLOUD VIDEO SECURITY

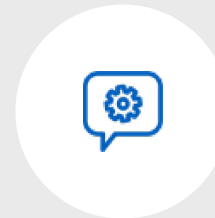
FROM



- No proactive incident identification
- No software intelligence guiding users
- No business or operational relevant insights
- Devices and systems are difficult to set up and link
- Disparate, non-connected sensor systems
- Lack of choice

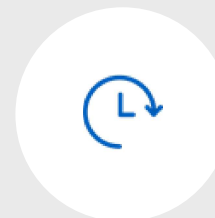


TO



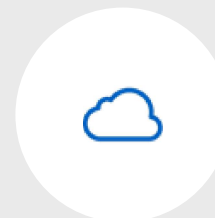
OPERATIONAL INSIGHTS

- Energy efficiency
- Optimized productivity & cleaning
- Smart remote monitoring



PROACTIVE AND EASY TO USE

- Real-time detection of threats
- Full situational awareness
- Easy to set up and integrate



OPEN & CLOUD NATIVE

- Flexibility and scalability
- Integrate with best-in-class sensors and alarm systems
- No lock in in a closed platform



AWARE AUDIO FEATURES



AUDIO ANALYTICS

Detect sounds like breaking glass, general loud noises, gunshots, screams, dogs barking, or by smoke, car, or ultrasonic alarms and their direction.



RECORD AUDIO

Record audio all audio or only alarms from Ava Cameras and third-party cameras.



LIVE AUDIO STREAMING

Hear what is happening and respond appropriately to incidents.



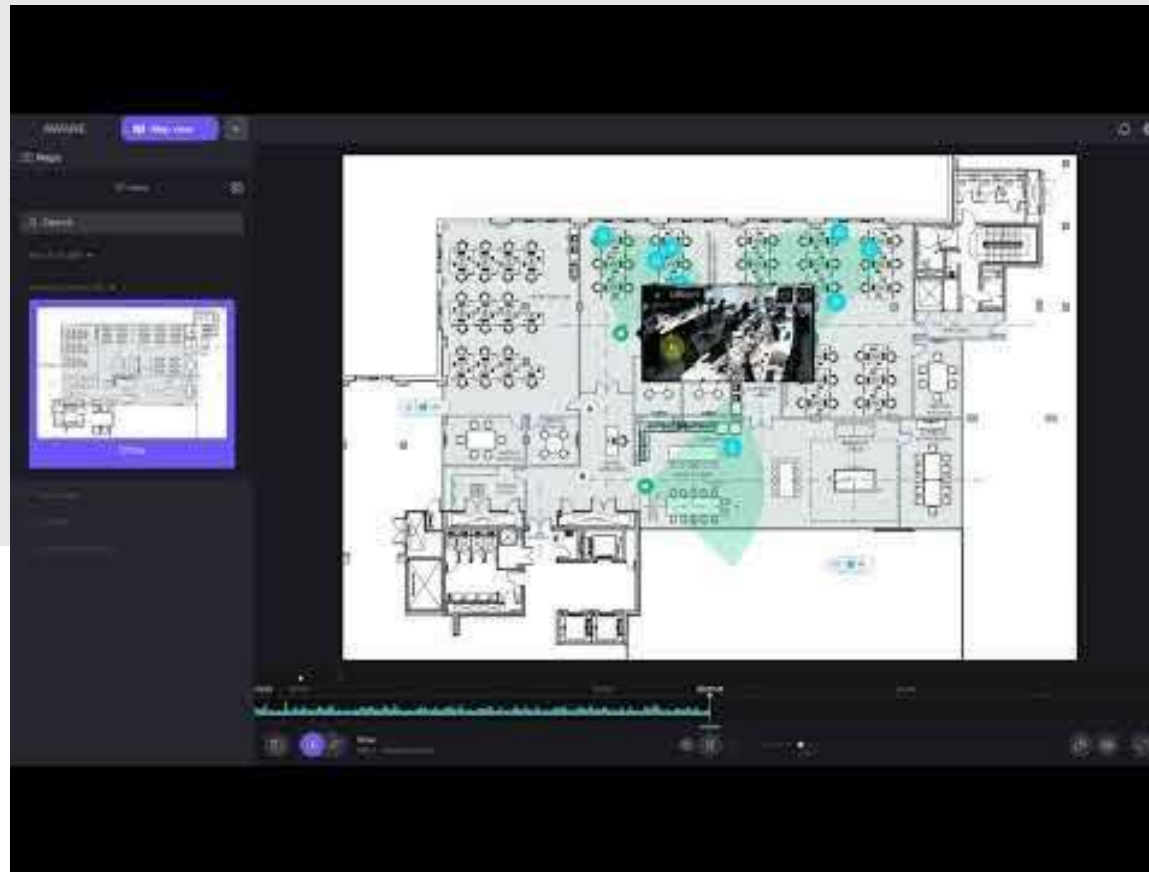
AUDIO TALK DOWN

Send personalized warnings or instructions from a distance by connecting Aware to compatible security cameras with speakers.



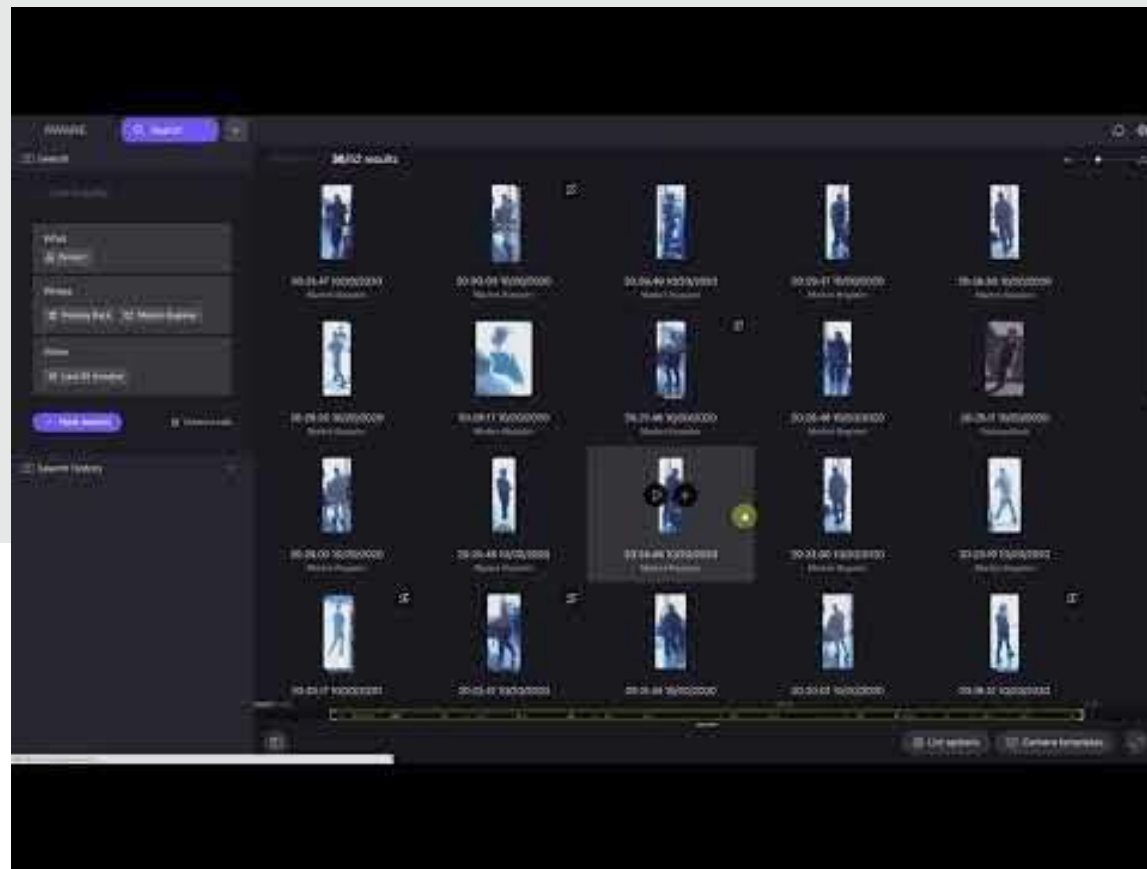
MAP WITH SMART PRESENCE™

Pervasive real-time analytics and machine learning capabilities to move from recording to understanding



FORENSICS – EVENT AND SIMILARITY-BASED SEARCH

Search for objects, events, and similarity or by image



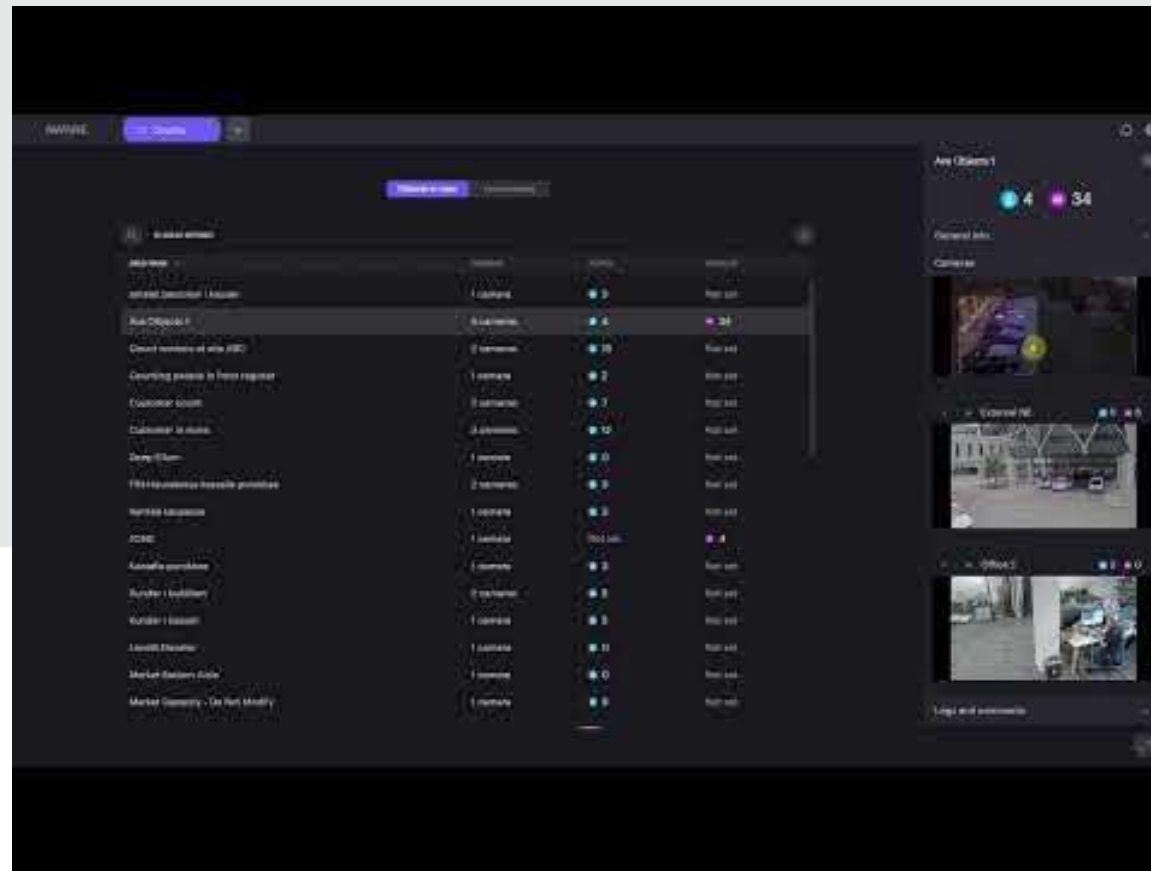
FORENSICS – EVENT AND SIMILARITY-BASED SEARCH

Playback timeline with embedded thumbnails and people, vehicle, and overall motion



OPERATIONAL AWARENESS – OCCUPANCY COUNTING

People and vehicle counting to understand occupancy and respond to crowding



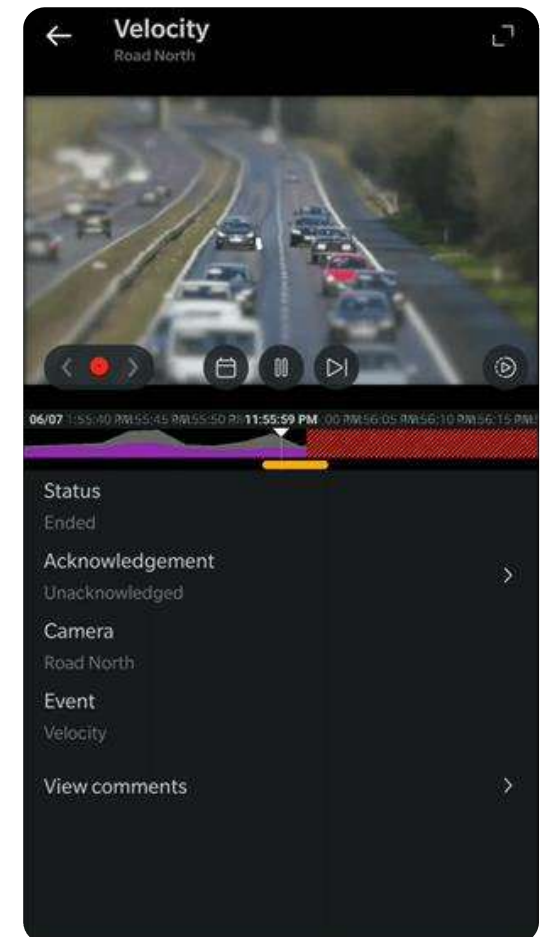
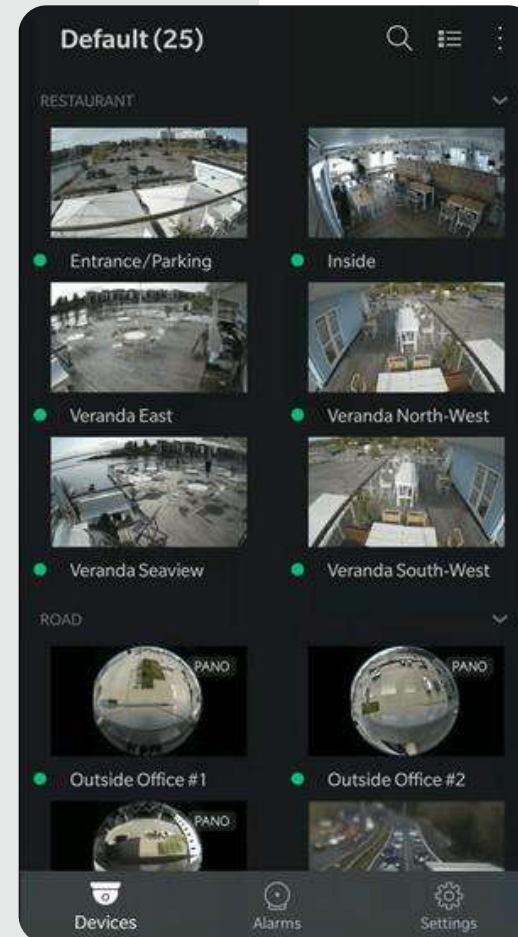
OPERATIONAL AWARENESS – HEATMAPS

Generate heat maps of high and low traffic areas



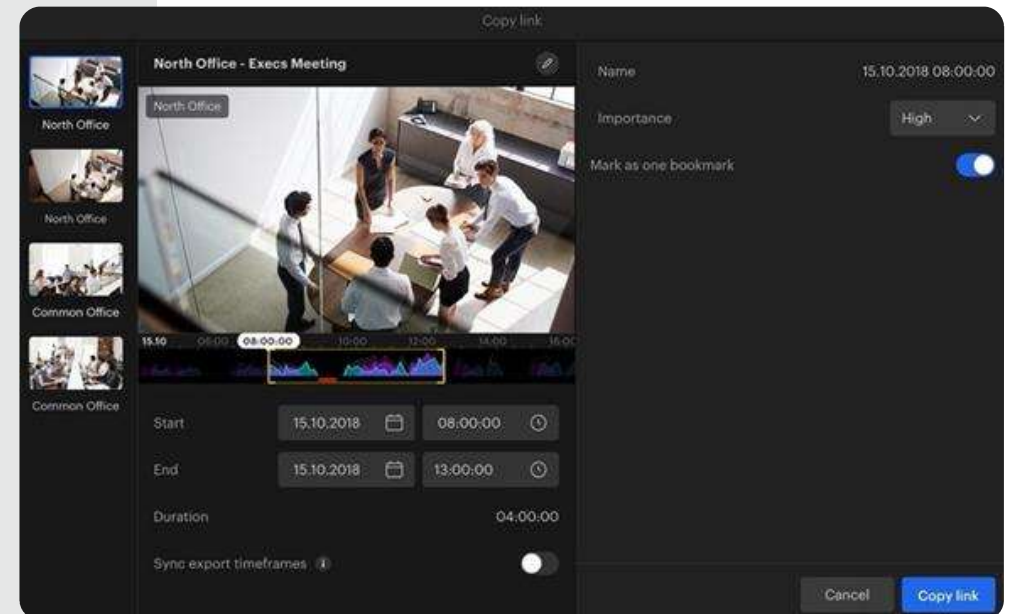
AVA AWARE MOBILE APP

With the Ava Aware Android and iOS apps we offer users a set of features that mirrors the Aware web client, such as seeing and managing alarms or viewing video live or playback.



SECURE REMOTE ACCESS AND SHARING OF VIDEO

- Easily create and share links to footage from the playback timeline, Search, or Alarms & Events
- With remote access configured, recipients can access the link from anywhere
- Set an expiration date and/or configure a password for the footage in the link to be viewed
- The footage is viewable in a browser showing the Ava Online Video Player

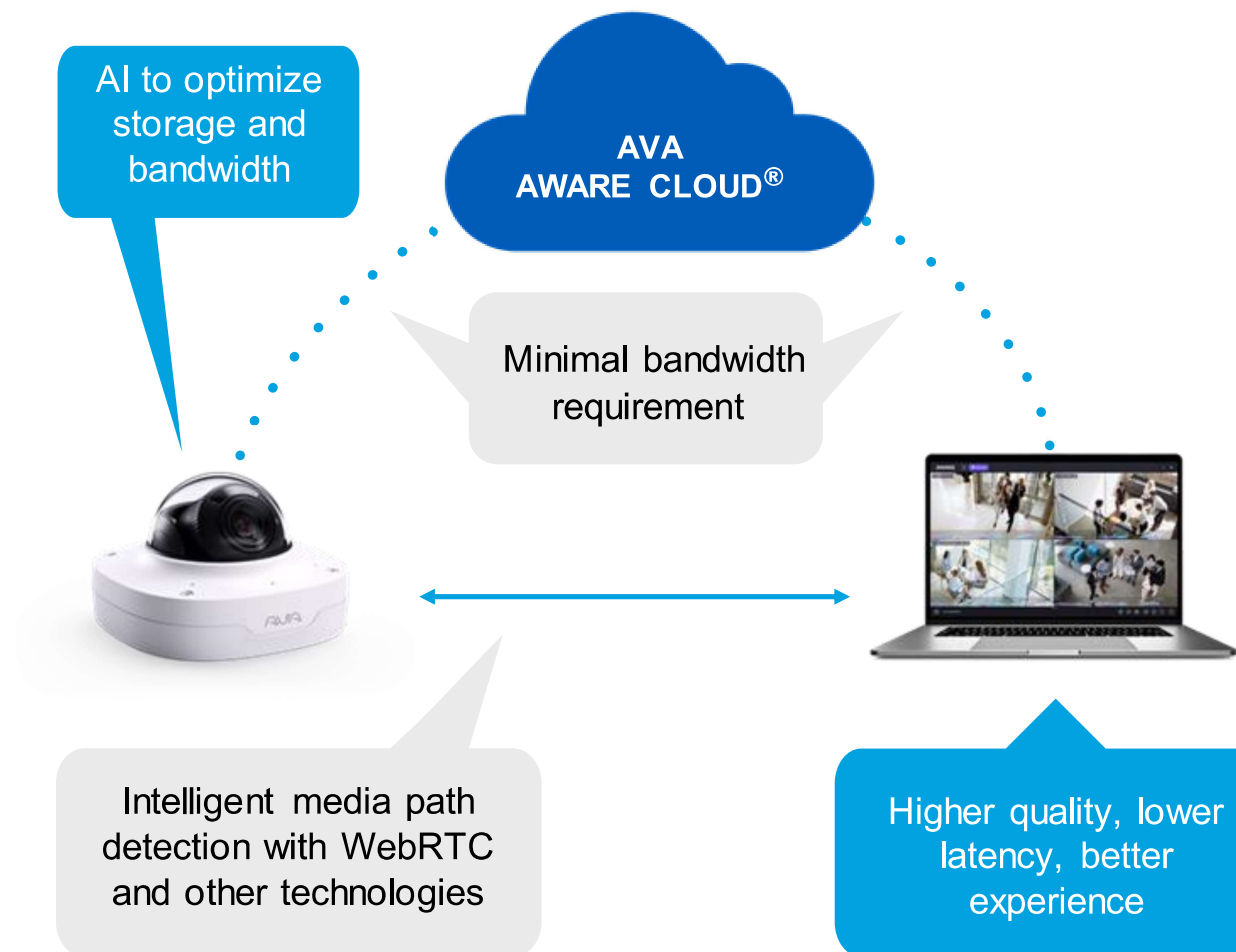


AVA SMART PATH™

Smart Path™ minimizes bandwidth consumption, improves quality and lowers latency.

Streams video locally in many more cases than any competitor

- Dramatically lowers WAN b/w usage
- Lower latency and better experience



AVA SECURITY – 10 UNIQUE DIFFERENTIATORS

SIMPLE

Easy to install



Single View™



vs cloud



vs traditional

SMART

Smart Presence™



Smart Path™



Smart Recording™



Directional audio



Ultrasound



Scaling 3rd party



OPEN

Open API & platform










No lock-in



RTSP



UNIQUE AVA – FIRST FULL CLOUD VIDEO SECURITY SOLUTION SUPPORTING LEGACY CAMERAS

Capability								
Full cloud		✓ Cloud native	✓ Cloud native	✗ Guardian EOL	✗ Dis-continued	✗ Hosted only	✗ No cloud management	✓ No direct cloud cameras
Advanced AI		✓ Leader	✓ Limits other features	✗ No cross-camera	✓ Limited 3rd party scale	✗ Relies on 3rd party	✓ Limited and costly add-ons	✗ Relies on 3rd party
Open platform		✓ Legacy cams, other platf.	✗ No 3rd party support	✓ ONVIF, VAPIX and apps	✓ Legacy cams,, other platf.	✓ Main strength	✓ Wide range of products	✓ Legacy cams,, other platf.
Own cameras		✓ Industry leading	✓ Poor video quality	✓ Good quality	✓ Solid analytics	✗ VMS only	✗ VMS only	✓ OEM only
Cost-efficient scaling	Low	✓ Direct	✓ Direct	N/A	✗ No direct	✗ No direct	✗ No direct	✗ No direct
	High	✓ Connector	✗ Expensive		✓ Yes	✓ Yes	✓ Yes	✓ Yes
	AI	✓ Included	✓ Included		✗ Expensive w/ 3rd p.	N/A	✗ Expensive	N/A



AVA INDUSTRY CASE STUDIES

A collection of video security case studies



COMMERCIAL REAL ESTATE

SOLUTION



BMO



FIRST
COLUMBIA
REAL ESTATE
A CRENSHAW PARTNERSHIP



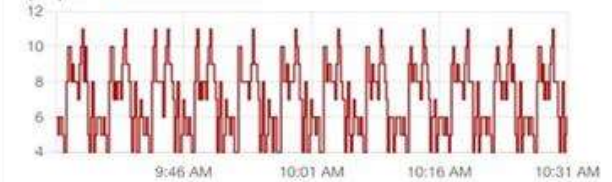
■ SOCIAL DISTANCING – OCCUPANCY COUNTING ALERTS



Capacity Intervals



people ● Market Capacity



7
Capacity

Admittance



One more



Q Search

Appearance New search

What

Person

Where (34)

- 12-B 12-A 12-C 12-D
- 11-C 11-B 11-D

+ 55 other cameras

When

From 17/10/2019 20:00
To 18/12/2018 24:00

Create a rule

Search history

Accuracy 200/800 results



17/10/2019 23:50:09
14-B



17/10/2019 23:52:10
14-B



17/10/2019 23:50:00
14-B



17/10/2019 21:44:12
17-B



17/10/2019 21:16:50
16-B



17/10/2019 23:52:10
18-B



17/10/2019 23:52:16
14-B



17/10/2019 23:56:00
11-C



17/10/2019 23:52:10



17/10/2019 23:52:10



17/10/2019 23:52:10



17/10/2019 23:52:10

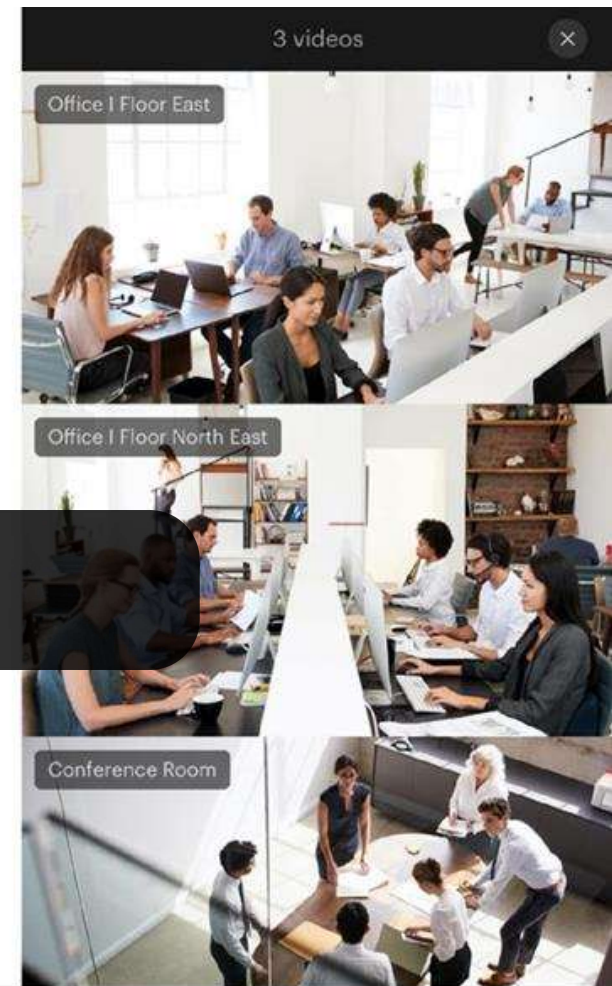
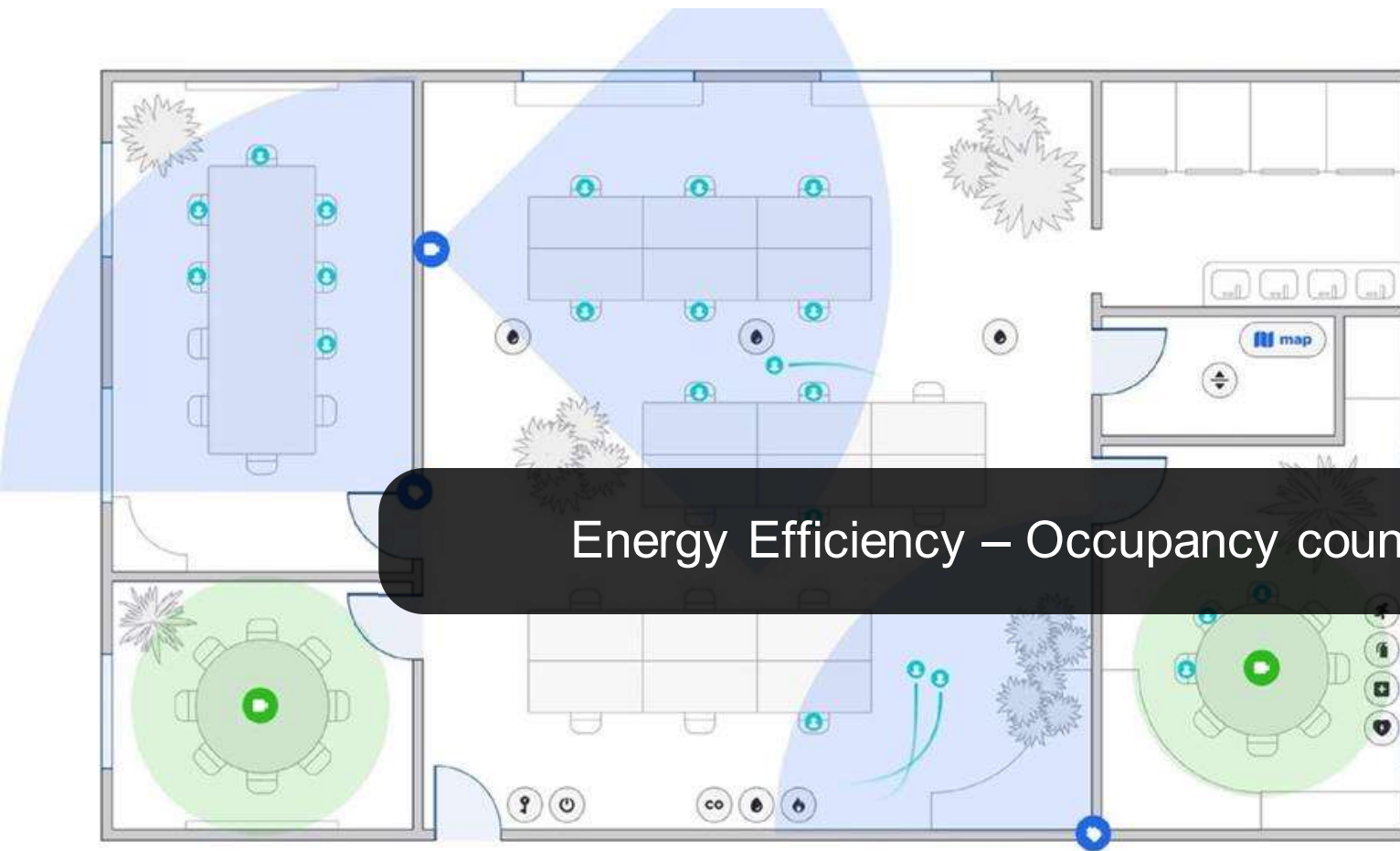
17.10 20.00 20.00 21.00 22.00 23.00 18.10 00.00

Appearance

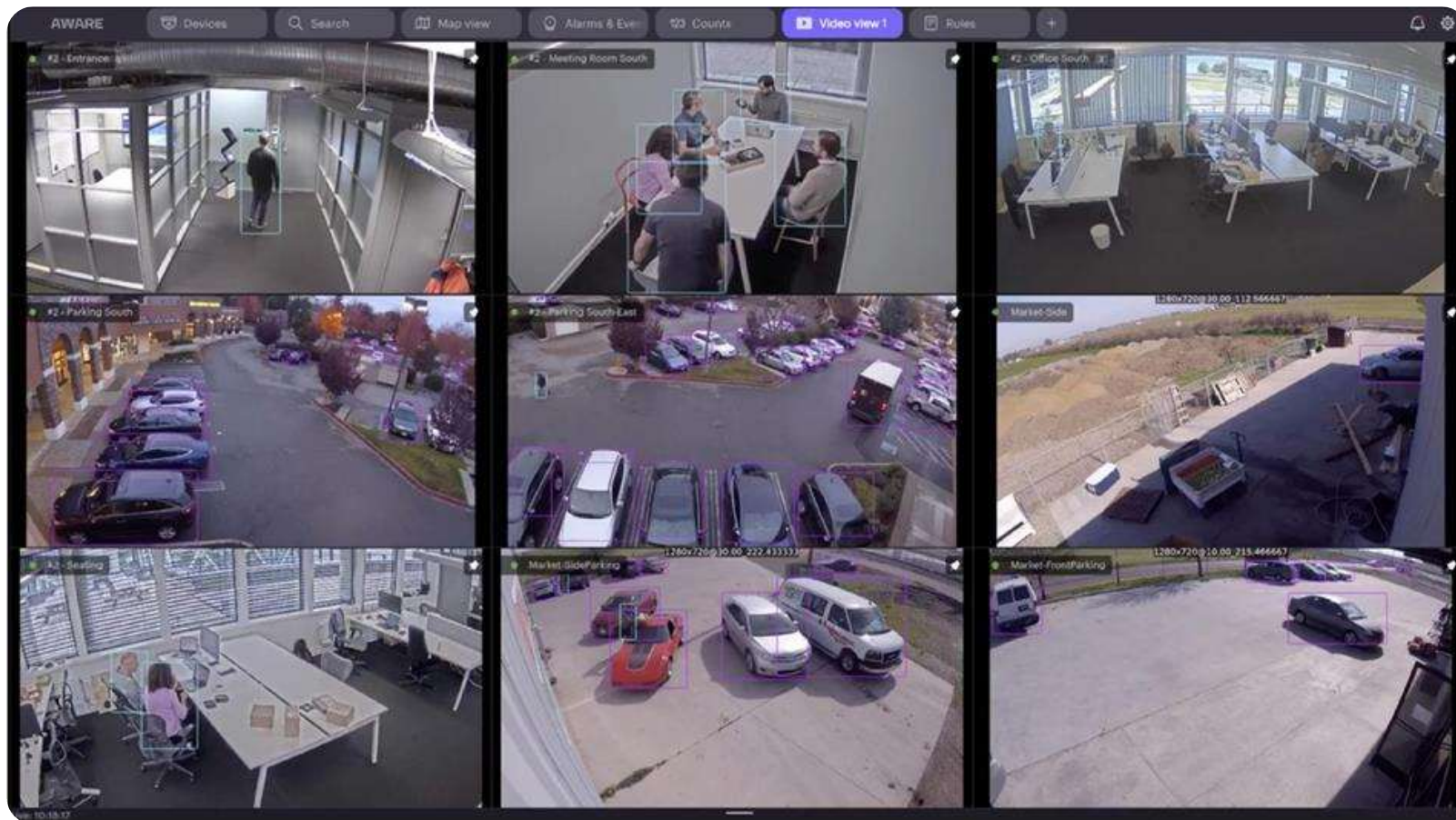
Camera presets



Energy Efficiency – Occupancy counting



UBER OR STANDING VEHICLE VIOLATIONS



PHIPPS HOUSES DEPLOYS SIMPLE, SCALABLE, PROACTIVE SECURITY TO KEEP COMMUNITIES SAFE

THE CHALLENGE

Phipps Houses is the oldest and largest not-for-profit developer, owner, and manager of affordable housing in New York City. While Phipps Houses had a video security system in place, it was complex and only accessible to a few highly-trained security professionals within the organization. This meant if an incident occurred outside of regular working hours, it would either go undetected or have a delayed and reactive response putting residents, staff, and volunteers at risk.

THE SOLUTION

Phipps Houses turned to integrated security experts New York Security Solutions Inc. (NYSS), Ava, and Feenics to deliver a complete and simple intelligent video security solution. Specific elements of the Phipps Houses new intelligent video surveillance solution include: proactive security, alerts in real time, rapid search, modern remote management, and seamless integrations with third-party systems.

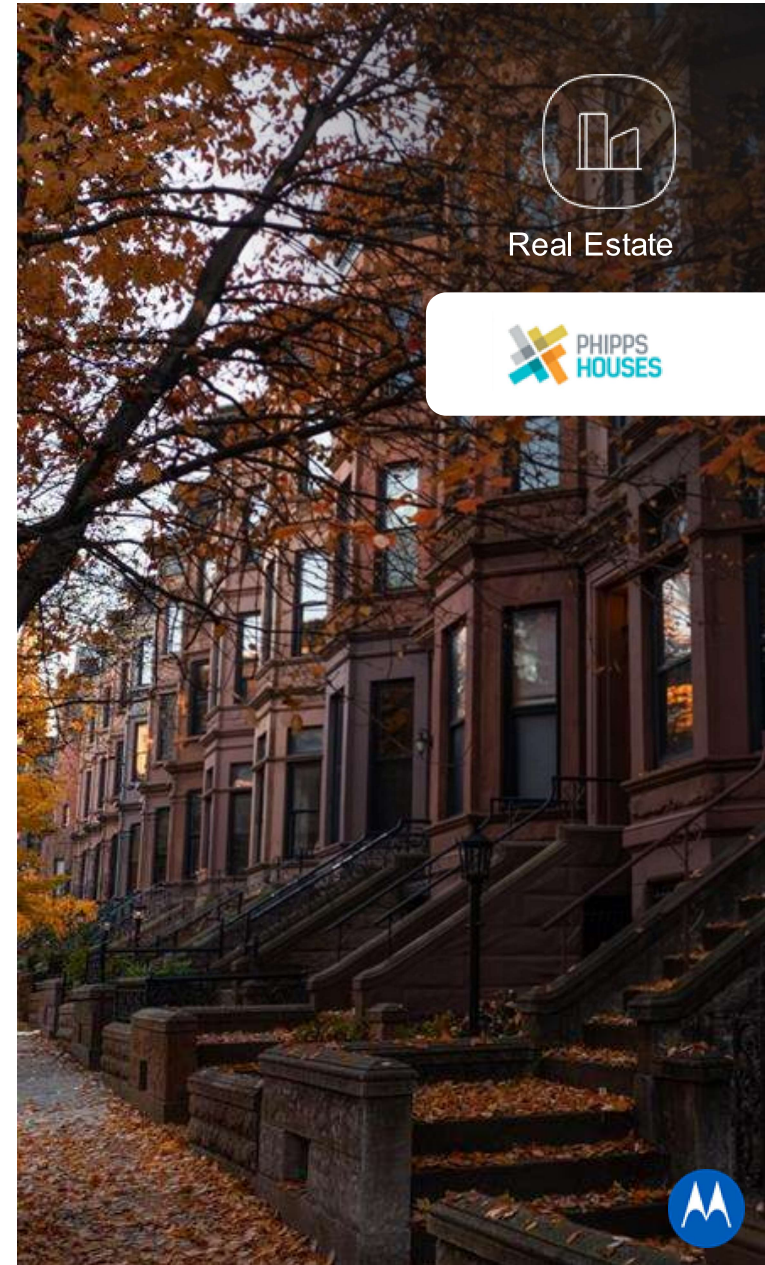
BENEFITS

With more than 15,000 people living in Phipps housing across the Greater New York area, the number one priority is the safety, security, and overall well-being of the residents. Seconds matter when protecting a community of this size. The new video security solution provided by Ava allowed Phipps Houses to proactively investigate incidents quickly, 24x7. The simplicity of the system meant anyone on Phipps staff can jump in and resolve an issue—not just their trained security personnel.

Ava Aware Cloud

Ava Cloud Connectors

Ava Cameras



HATHON CREATED AN INTEGRATED AND SECURE REPORTING NETWORK WITH FEWER DEVICES USING AVA AWARE

THE CHALLENGE

Hathon uses this data reporting from different tools and systems to constantly monitor and maintain awareness of what is and is not working for their different locations. Keeping up with all these devices and systems has created inefficiencies, difficulty installing and maintaining a multitude of physical equipment, and a communication lag between the different services that were not integrated.

THE SOLUTION

In the decision-making process, Hathon understood that the Ava cameras could act as a sensor to collect important data. Next, Hathon was able to connect other systems in the building to the Ava Aware VMS. The more devices, the more data collected and the better the analytics they delivered for monitoring and reporting. By integrating several tools with the Aware VMS, Hathon could mitigate unnecessary equipment and data collection points.

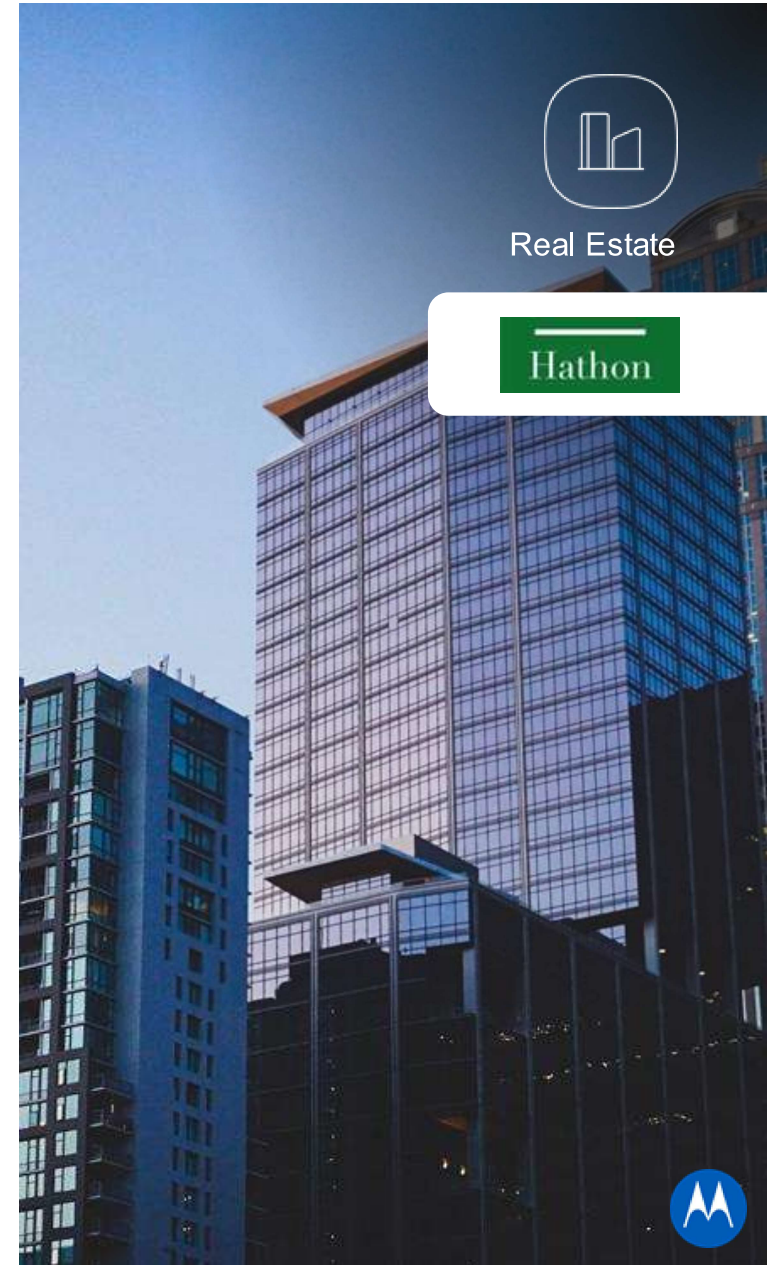
BENEFITS

Once Hathon installed the Aware VMS deployed on an A1000 server and the Ava intelligent cameras, the company was able to get operational insights, to quickly search for footage or events, and reduce the number of devices needed to meet their strategic and sustainability goals. With more of these devices working together, Hathon easily tracked the energy consumption per person and per building. With the access control integration, Ava has helped Hathon keep track of all people and materials coming into the building.

Ava Aware Cloud

Ava Cloud Connectors

Ava Cameras



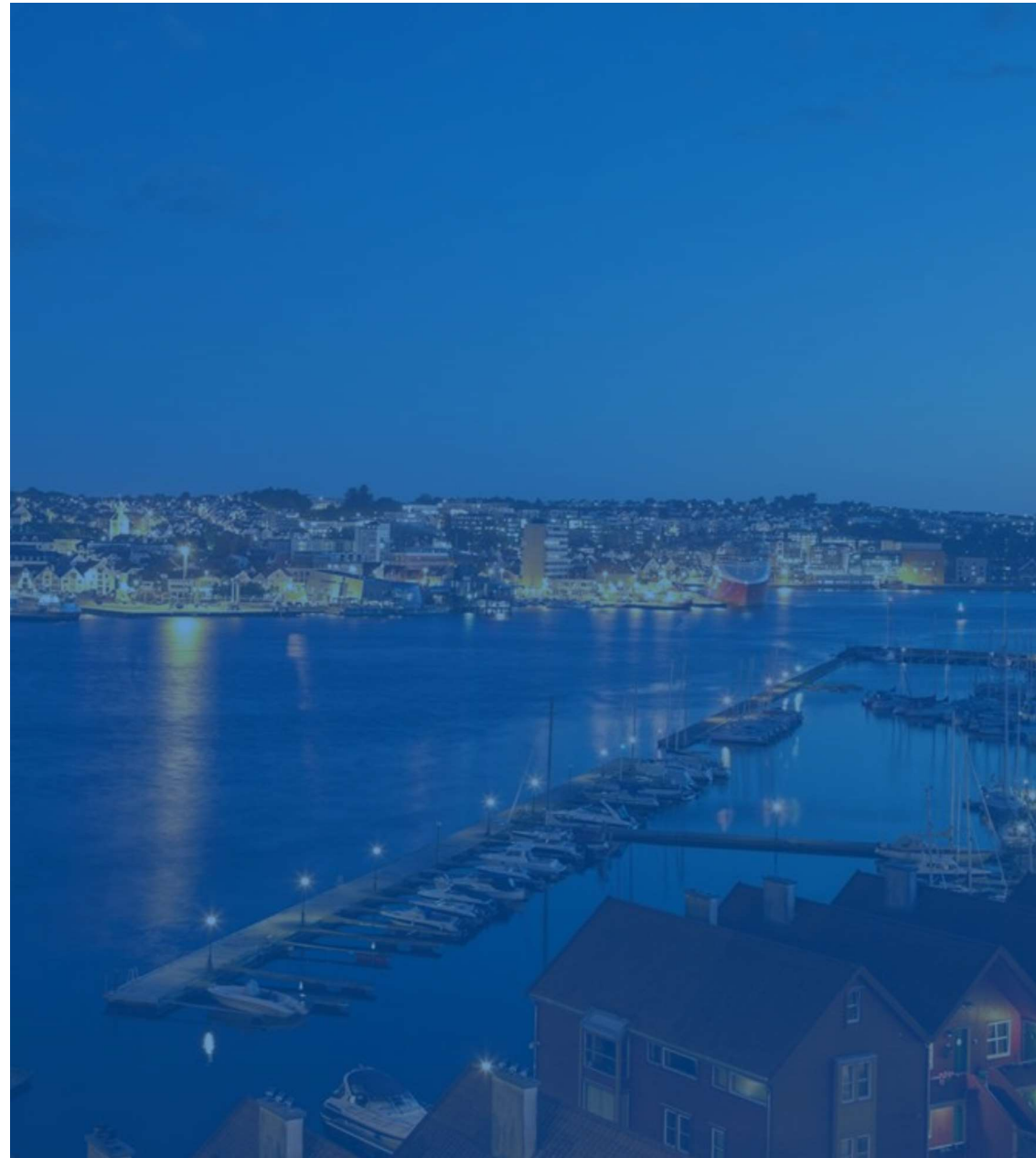
MUNICIPALITIES & PUBLIC VENUES

SOLUTION



CITY OF STAVANGER

SOHAM
TOWN COUNCIL



STAVANGER MUNICIPALITY USES VIDEO SECURITY INTELLIGENCE TO CREATE A BETTER PLACE TO LIVE AND WORK

THE CHALLENGE

The Nordic Municipality wanted to gain greater intelligence with their video surveillance system that would integrate seamlessly with other technologies. Over the years, they had invested in around 700 security cameras and over 70 servers to support them. Each server at each location had to be configured separately to detect and record objects. The small IT team of the municipality found the process time-consuming, tedious, and unsustainable.

THE SOLUTION

With Ava, Stavanger got precisely what they were looking for and gained additional insights they were not expecting. Instead of the time-consuming work of installing, configuring, and maintaining the servers at each separate location, the video security appliances were all brought to one central location, being reduced from 70 to a mere five. Each server can connect up to 200 security cameras and no longer requires extensive maintenance.

BENEFITS

With Ava Aware, the municipality of Stavanger now has a centralized security system that provides video surveillance and integrates with other technologies in the smart grid across the city. Stavanger's IT team reduced the number of servers necessary to serve all the 700+ cameras installed from 70 to 5—a 92.8% reduction. Ava Cloud Video Security made it easy to connect with other systems like those for access control, ventilation, occupancy, user management, email communication, third-party cameras to leverage its analytics and create valuable insights.

Ava Aware Cloud

Ava Cloud Connectors



SOHAM WENT FROM ABANDONING FORENSIC SEARCHES TO COMPLETING THEM IN A MATTER OF MINUTES

THE CHALLENGE

Soham Town Council worked with outdated equipment, including CCTV cameras, older servers, and limited recordings to review past incidents. Many of the cameras were poorly placed. With no proactive maintenance being done for several years, recorded material only covered a few hours of footage before being recorded over. When operators found recorded incidents, they copied the footage and sent it by hand to the proper authorities using a bulky hard drive or other physical devices. The process created delays leading to slow and often no follow-up in investigations and invariably frustration and complaint.

THE SOLUTION

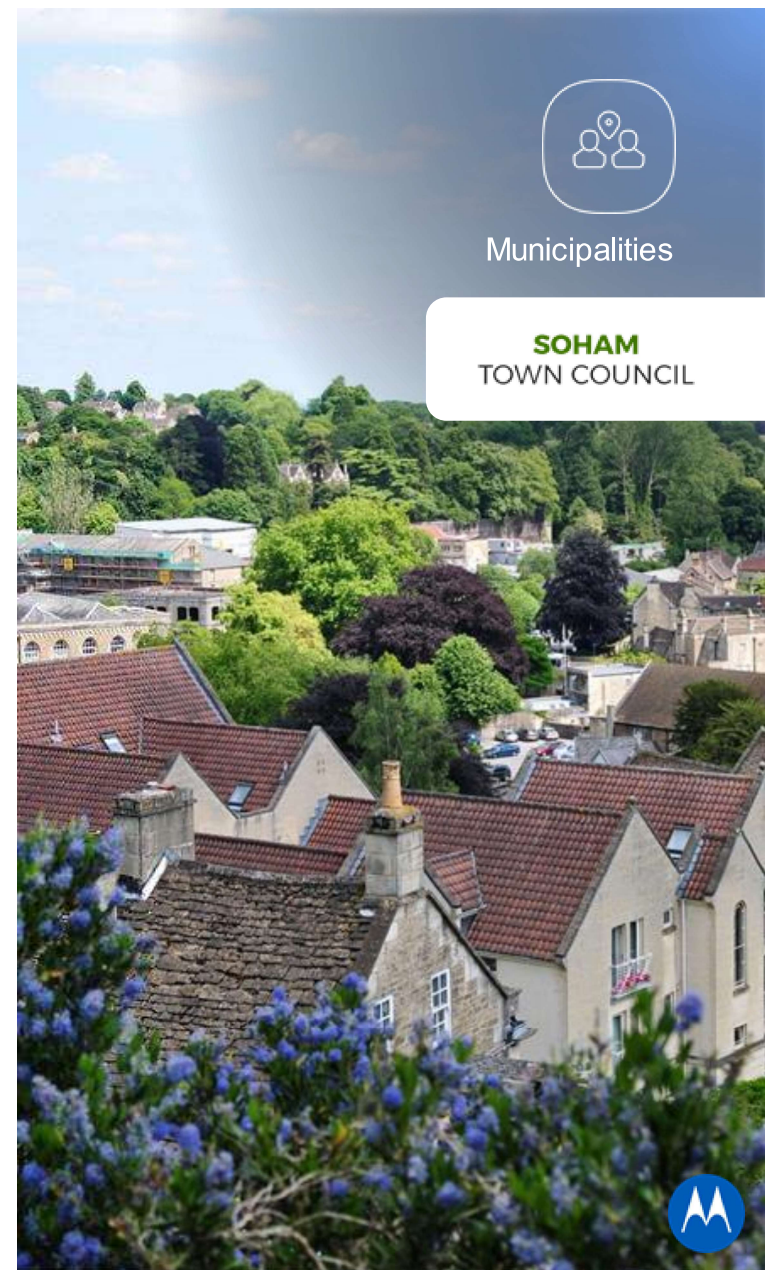
Ava's flexible system and products integrated well with preexisting cameras and tools while also enhancing the possibilities of both. Ava Aware was able to pick up on distinguishable characteristics and new details to streamline police reports. It also became easier to protect the town's regulations and investigate offenses.

BENEFITS

Soham is increasingly more proactive in monitoring unusual or unwanted events and behaviors such as illegal handicapped parking, physical violence, petty theft, fly-tipping or illegal dumping, and other criminal offenses. Quickly finding and creating evidence to these offenses allows Soham the potential to generate new revenue that was not easily attainable before the installation of Aware.

Ava Aware Cloud

Ava Cloud Connectors



IMPROVE SECURITY AND BUSINESS OPERATIONS IN REAL-TIME IN A MUSEUM

THE CHALLENGE

A museum is looking for solutions that allow them to gain insight and control of its facilities. Administrators need help improving situational awareness and business operations, preventing thefts, as well as enhancing customer service and experience.

THE SOLUTION

To monitor the museum's diverse areas, the Ava Aware Cloud provides management insights, reduces costs, and improves customer service. Using the maps with Smart Presence™ and the dynamic video view powered by Spotlight™, the museum's operators track the flow of people in exhibitions and get alerted in real-time when unusual events occur. The system notifies operators when people use fire escape doors, and they can also perform similarity searches within minutes to trace them through the venue. Aware integrates with third-party systems to inform visitors of queue times and redirect them to other less busy exhibits, thus allowing the museum's managers to improve customer experience. By installing Ava cameras, operators get instant alerts when the cameras detect loud noises (screaming, breaking glass, etc.) and their direction.

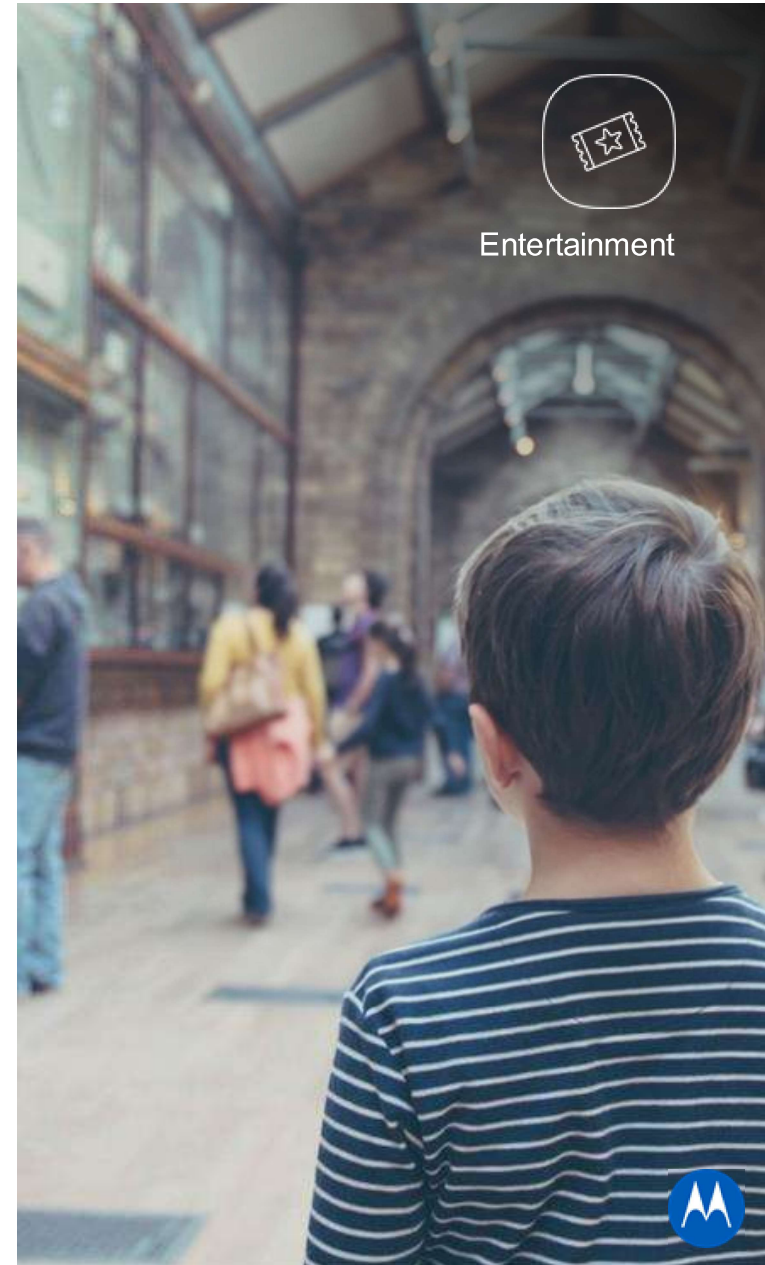
BENEFITS

The museum integrated its existing cameras in the Aware Cloud, gaining additional insights that otherwise would have been unnoticed: from assessing the interest of specific exhibitions, maintaining the health of the animals to preventing crimes (stores and animal theft). With Ava's proactive features, the operators act before incidents escalate.

Ava Aware Cloud

Ava Cloud Connectors

Ava Cameras



ADD ADVANCED SECURITY AND OPERATIONAL ANALYTICS IN AN AMUSEMENT PARK

THE CHALLENGE

An amusement park has a security team tasked to monitor a wide variety of areas: rides and attractions, restaurants and stores, stages, accommodations, parking lots. Operators are having trouble supervising the park and reacting to incidents quickly. The management team also requires more operational insights into improving the customer experience.

THE SOLUTION

By deploying the Ava Aware Cloud video management system, the park's security operators get video analytics from the already installed cameras. With the system's maps with Smart Presence™ and Smart Search™, operators can easily search, track, and find lost children or suspicious individuals. With the real-time alerts and notification, operators know when guests enter unauthorized areas of the park. The management is also able to assess the success of their shows by counting the spectators and assign more guards where there are many people. Aware can integrate with notification systems that inform guests of queue times and redirect them to other less busy attractions. By installing Ava Dome or Ava 360 devices, operators get instant alerts when the cameras' integrated acoustic sensors detect loud noises and their direction.

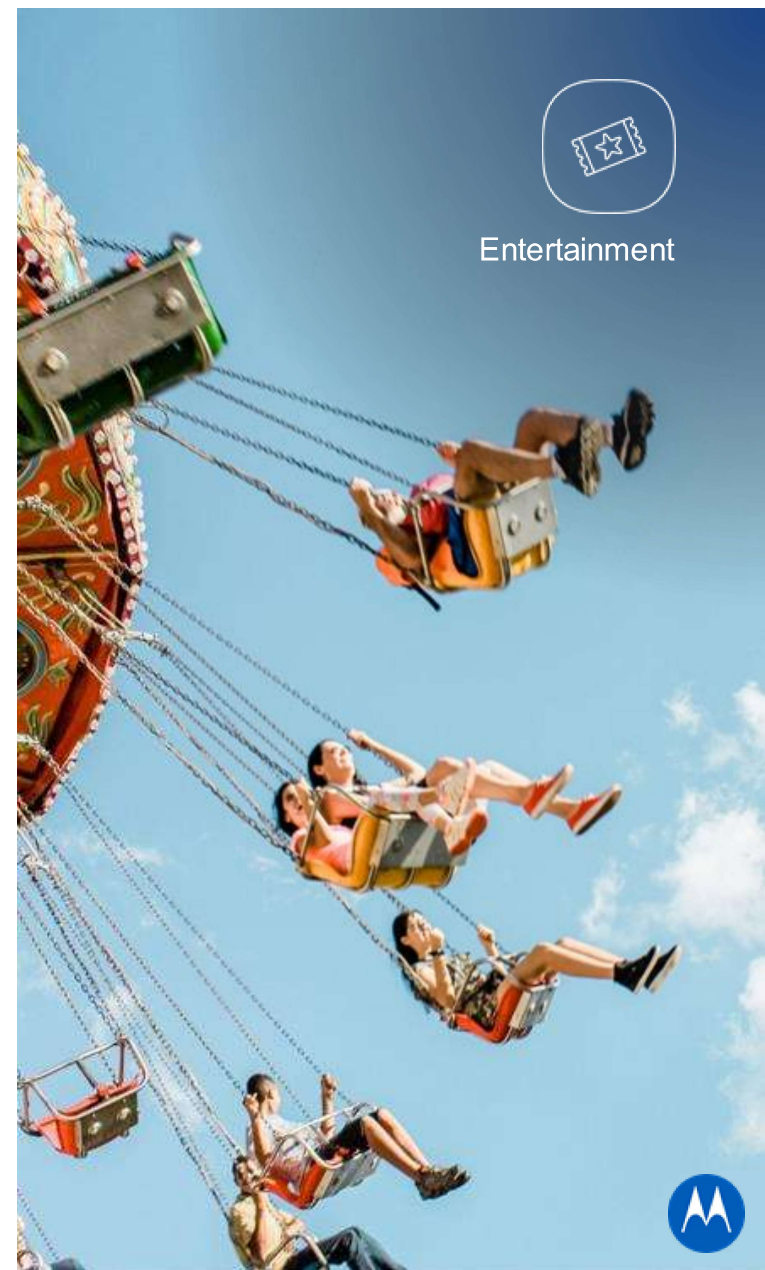
BENEFITS

By deploying Aware Cloud, the park's security operators can get a clearer understanding of incidents. They track the people flow within the entire facility in real-time, find people of interest fast, reduce losses, and prevent fraudulent lawsuits.

Ava Aware Cloud

Ava Cloud Connectors

Ava Cameras



RETAIL

SOLUTION

Office
DEPOT

XXL

ICA

S. KATZMAN
PRODUCE

FURY

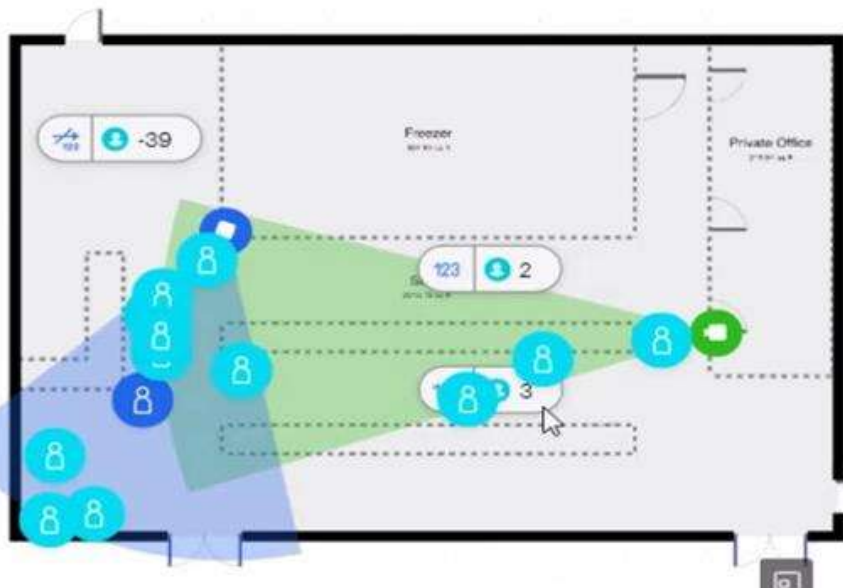

Mercedes-Benz



09:25:17 04/16/2020 - 09:25:23 04/16/2020

market floor plan

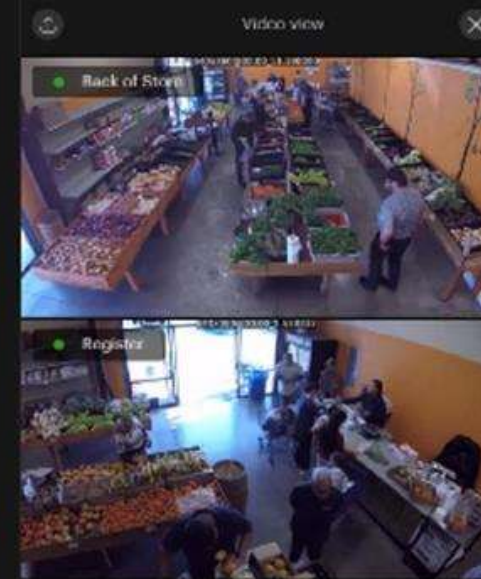
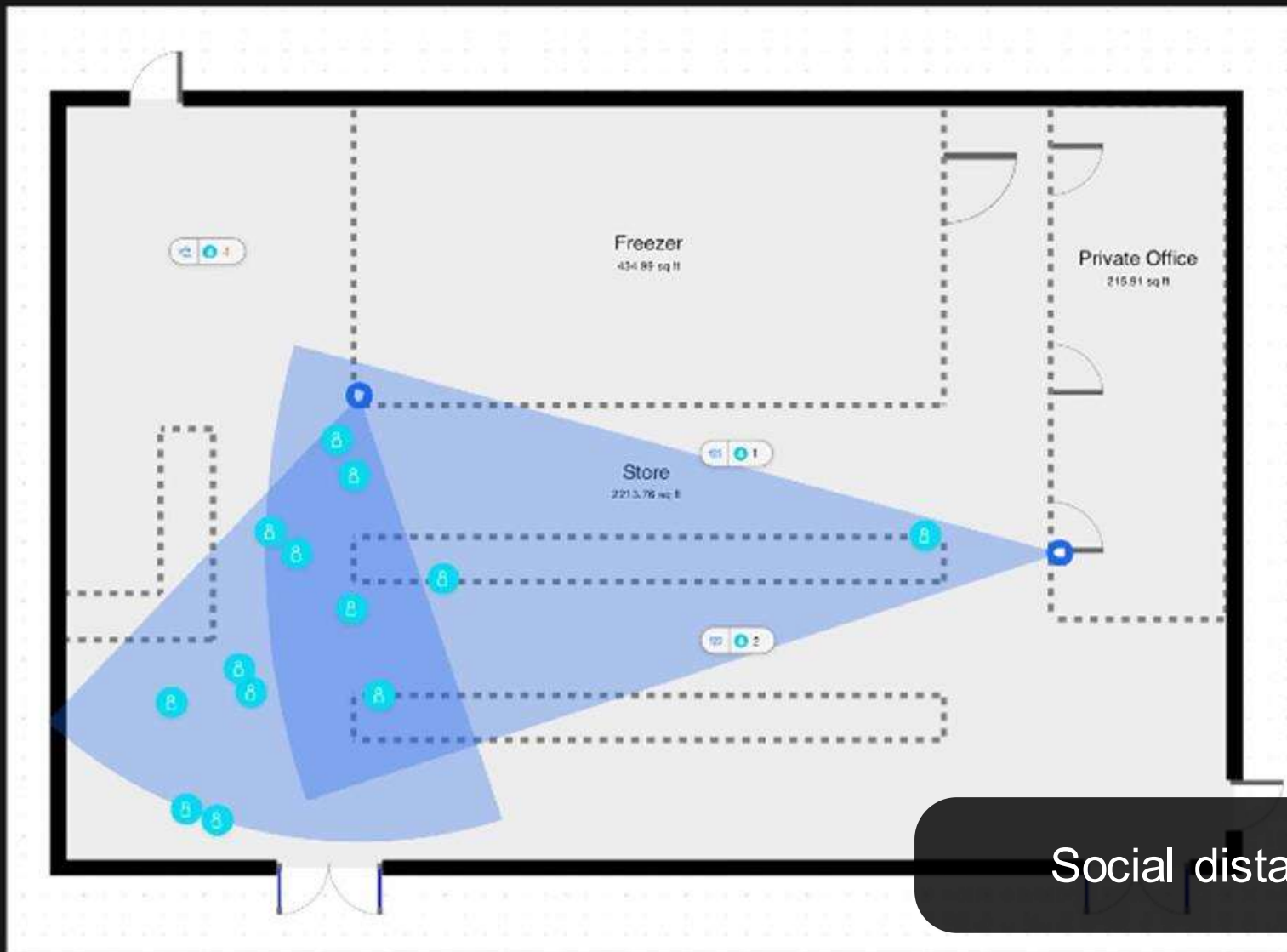
Register



04 09:24:50 09:25:00 09:25:10 09:25:23 09:25:30 09:25:40 09:25:50

Monitoring queue for cash register/operations

Close



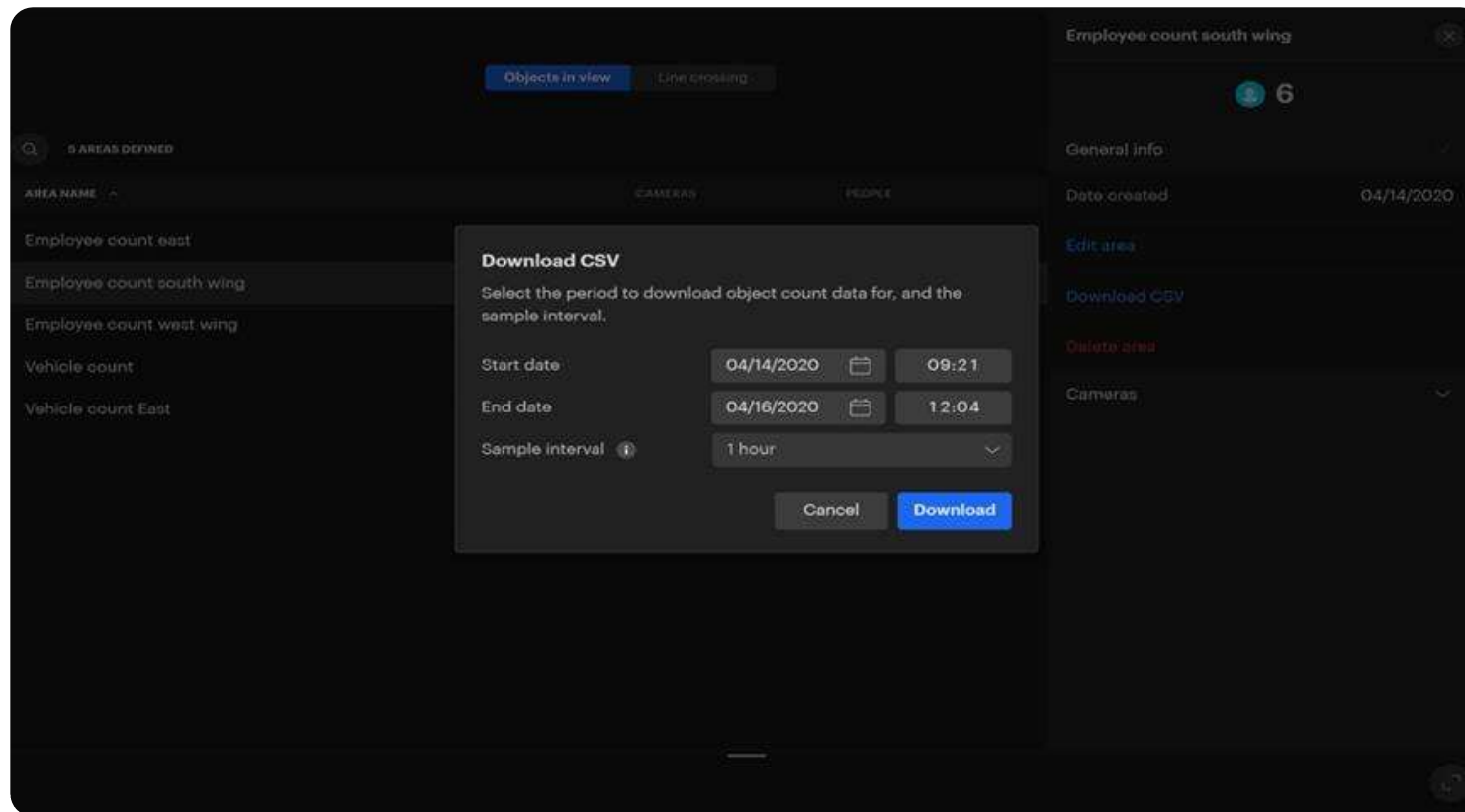
Social distancing guidelines



PEOPLE & VEHICLE AWARENESS – STORE METRICS AND VEHICLE PARKING AND MONETIZING



EASY DATA INSIGHTS AND EXPORTS



XXL GAINS CUSTOMER INSIGHTS TO IMPROVE QUALITY OF SERVICE

THE CHALLENGE

XXL is a sports retailer with over 25 stores around Europe, struggles with the current coronavirus crisis as most of its locations are still open and social distancing measures need to be in place. In most of its shops, the retailer has installed network video recorders and low-quality cameras that don't provide the analytics and intelligence needed.

THE SOLUTION

The retailer deployed the Ava Aware video management system installed on an Ava Cloud Connector. To have a better understanding of where people move, popular routes, how long customers stay at different places, as well as insights on entries and customers per department, the store managers leverage Ava's object counting, smart maps, and heatmaps to check the most popular aisles. To compare different time periods, administrators download historical CSV data and upload the counts to a visualization tool that offers dashboards in real-time.

BENEFITS

By deploying the Ava video security products, the retailer can reorganize its store layout so that customers have an easier access to the items that are more popular. The company can now also drive traffic to all its departments. Administrators are better equipped to offer a better customer experience in real-time by increasing the number of employees who offer person-to-person assistance and by shortening queuing times during busy hours.

Ava Aware Cloud

Ava Cloud Connectors



FURY MOTORS TOOK A PROACTIVE STANCE ON SECURITY WITH AVA

THE CHALLENGE

Fury Motors' video security system required constant monitoring to capture events and was time and cost-prohibitive even with a monitoring company. And, if they could afford to have someone watch the cameras 24x7, human observations are subject to error or oversight. As a result, most video footage was never viewed or put to practical use, so Fury Motors was missing valuable information that could improve the security of assets and its operations. When the dealership turned to Ava it was losing \$7K+ a month to internal theft and operational inefficiency—above and beyond losses and damage to inventory.

THE SOLUTION

The dealership's new intelligent video monitoring solution uses artificial intelligence bringing a new level of agility and flexibility to monitoring services. Fury Motors' security operators quickly review footage from past incidents. In addition, the firm increases situational awareness and response time to evolving situations, and captures trend data for developing strategies and making data-driven decisions to prevent future problems.

BENEFITS

With Ava Security, Fury Motors saved \$7,000 per month in prevented theft events, improved customer service by tracking employee responses to customers on the lot, and ensured COVID-19 compliance by managing occupancy to align with safety guidelines.

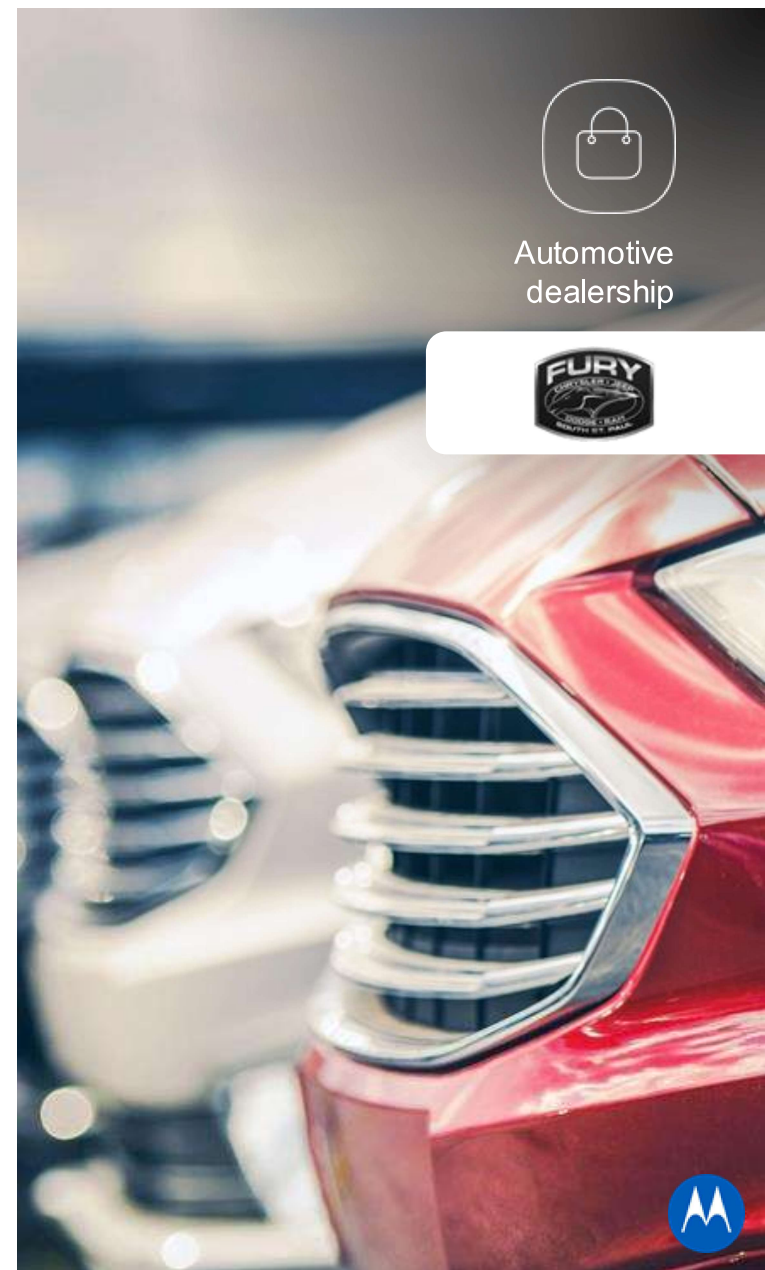
Ava Aware Cloud

Ava Cloud Connectors

Ava Cameras



Automotive
dealership



PROVIDE UNINTERRUPTED SECURITY AND IMPROVE BUSINESS OPERATIONS IN A STORE

THE CHALLENGE

Retailers face the same concerns as those a couple of decades ago: shrinkage (theft, robberies, break-ins, clerical errors), workplace violence, handling parking security in high-peak periods. Additionally, they are looking for a security solution that can also provide insights on footfall, staff allocation, or customer interactions.

THE SOLUTION

By deploying the Ava Aware Cloud, users can leverage entering and exiting customer counts, as well as map views of customer in-store points of congregation. Administrators can export historical CSV data to incorporate the counts into staffing models and store optimization. Security staff are notified in real-time whenever there is potential loss prevention activity or suspicious behavior based on predefined rules. Retailers are also able to use Ava's vehicle counting to monitor loading docks and parking lots and prevent accidents or operational disruptions.

Additionally, operators have an overview of any unusual activity, from out of hour access to employee theft. Aware's Smart Search™ feature enables fast searches across all stores to identify repeat offenders or suspects. Using Ava's cloud security cameras, operators can leverage the integrated directional audio detection to identify sounds and their direction.

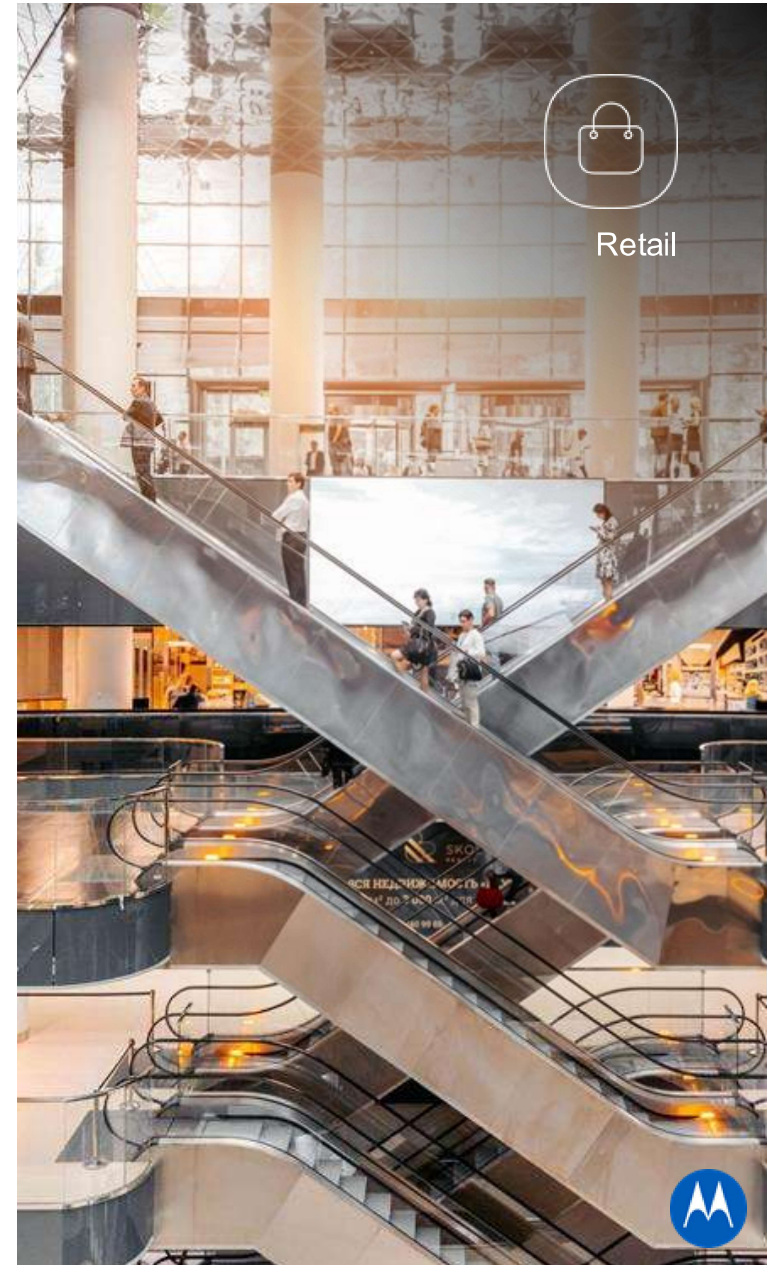
BENEFITS

Using the Ava Cloud Video security, retailers can detect and act on aggressive behavior, vandalism, and robberies to safeguard customers and staff, and to reduce shrinkage. Moreover, administrators are equipped with insights to increase customer interactions and experience.

Ava Aware Cloud

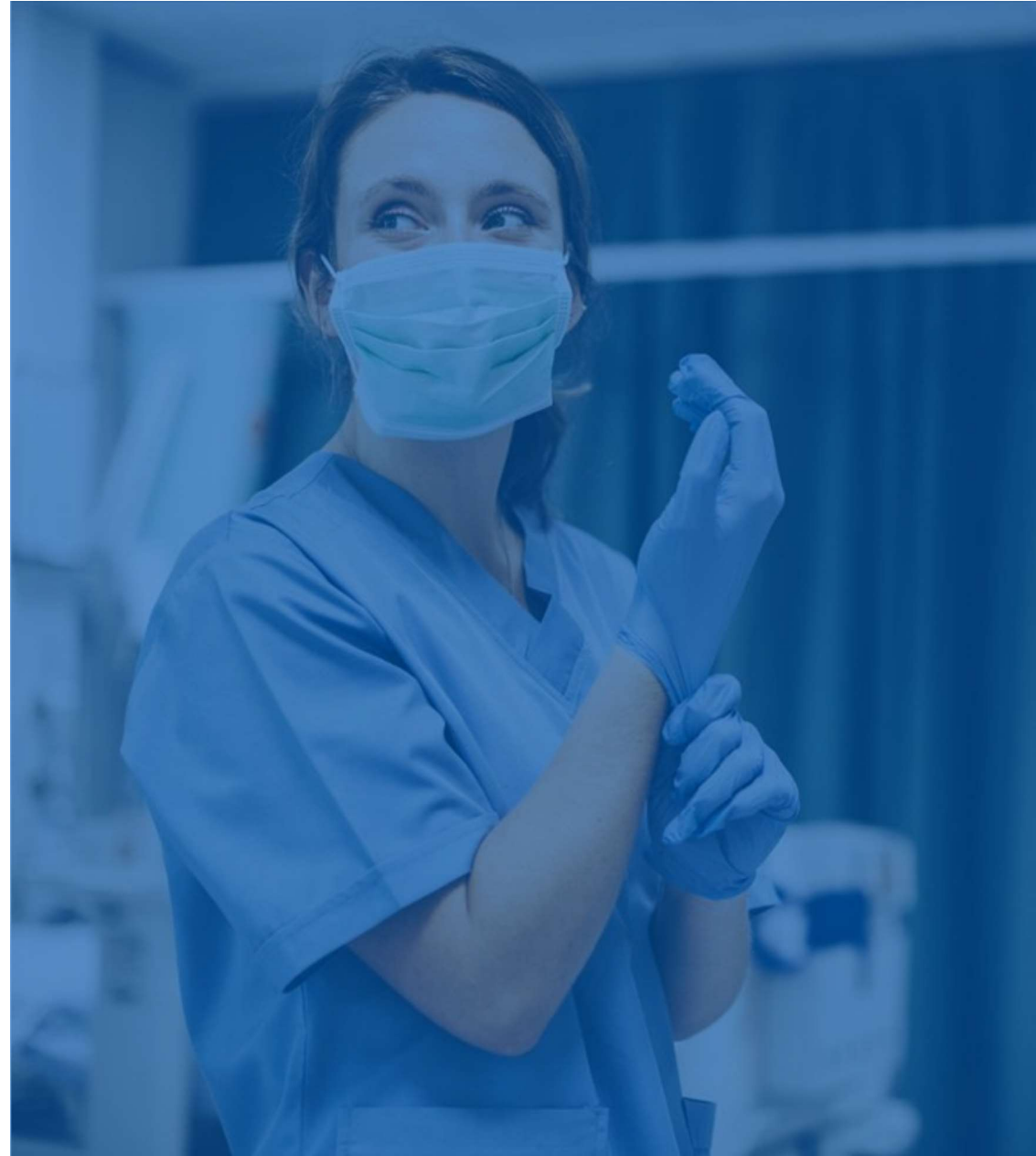
Ava Cloud Connectors

Ava Cameras



HEALTHCARE

SOLUTION



ENSURE SAFETY, COMPLIANCE, AND DOCUMENTATION IN A HOSPITAL

THE CHALLENGE

A leading hospital needed a better solution to keep at-risk patients protected at all time. The hospital administration also wanted to lower the risk of malpractice and liability claims with an effective monitoring of day-to-day operations and compliance processes. Additionally, for educational purposes, the hospital sought to implement a video security solution able to document surgeries.

THE SOLUTION

The hospital chose the Ava Cloud Video Security solution which also integrates with existing cameras, to serve all its safety, compliance, and documentation needs. With Ava Aware Cloud's anomaly detection, the healthcare staff can be notified in real-time when high-risk patient are identified in unauthorized areas after hours or when there is an intruder. To prevent costly litigations, the administrators monitor hygiene compliance, and ensure that operating room procedures are followed. The system's search capabilities allow security personnel to investigate claims. Ava's high-resolution cameras allow the hospital to provide educational footage on surgeries, and, using cameras' audio analytics, security and healthcare staff can be notified instantly in cases of loud noises, screaming, glass breaking, and gunshots.

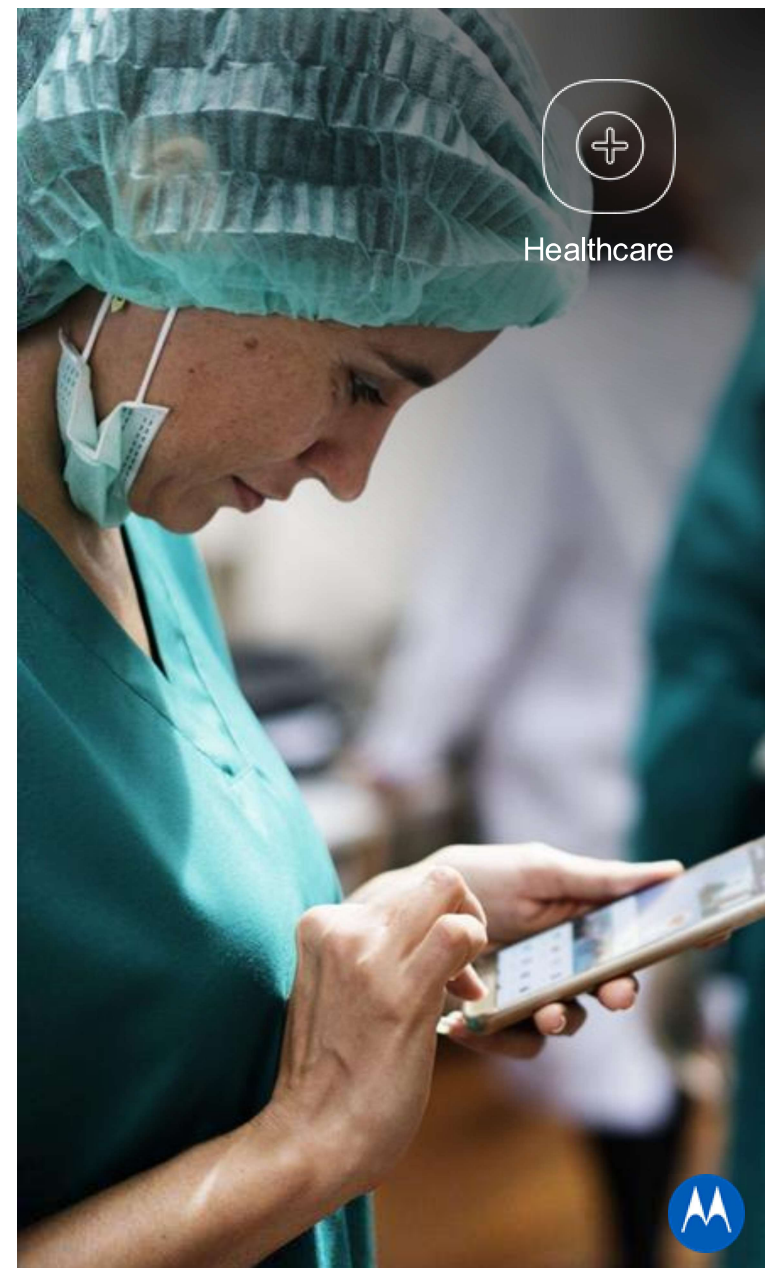
BENEFITS

By deploying Ava Cloud Video Security, the hospital enhanced its training and professional development programs, secured patients, employees, and physical assets, as well as improved hospital management and patient care.

Ava Aware Cloud

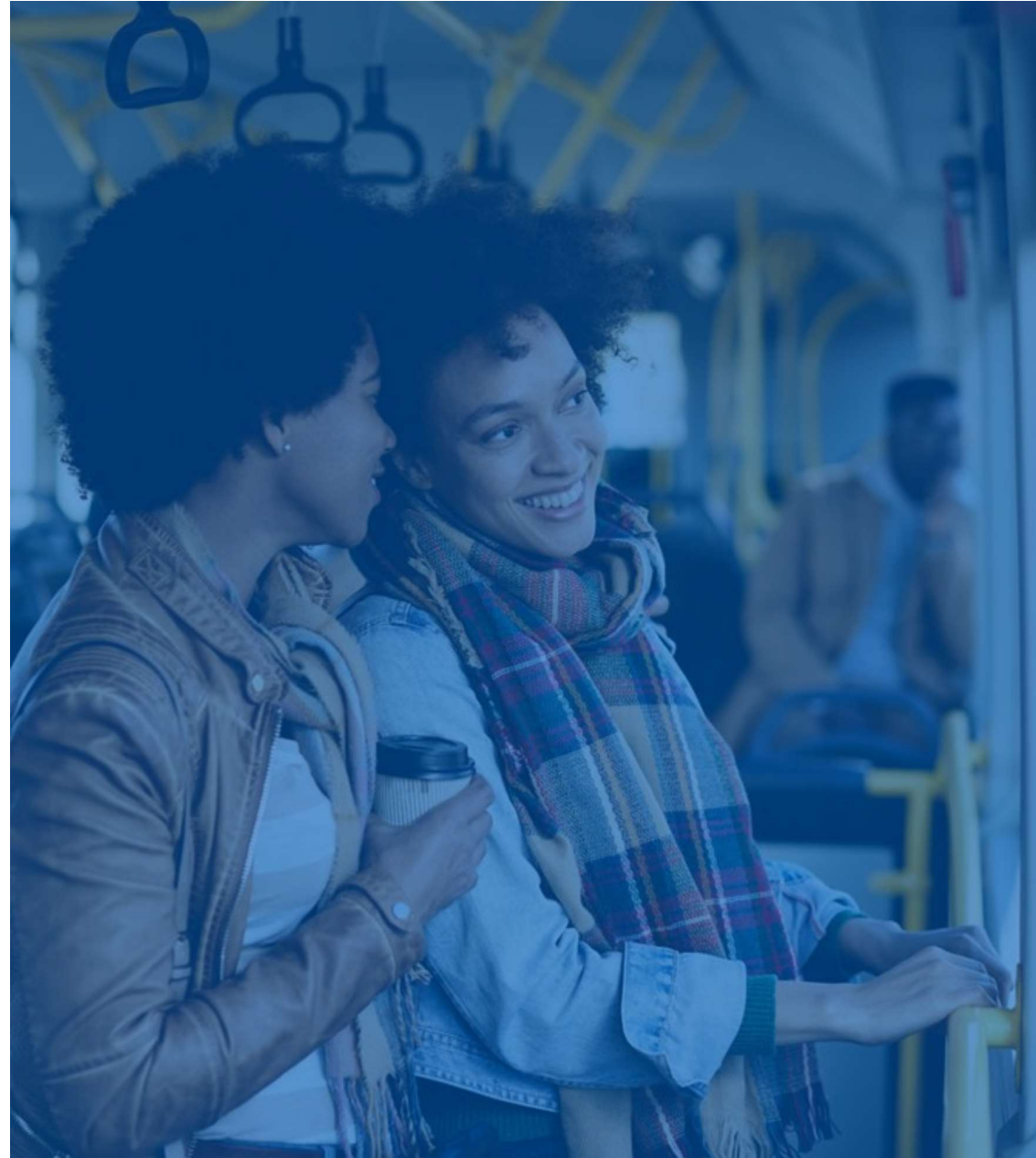
Ava Cloud Connectors

Ava Cameras



TRANSPORTATION

SOLUTION



KEEP PASSENGERS SAFE AND ON SCHEDULE IN A SECURE PUBLIC TRANSIT ENVIRONMENT

THE CHALLENGE

A public transit company offers services to hundreds of thousands of passengers every day. Its security systems consist of products of multiple generations, some outdated, which makes it challenging to manage and extract critical information needed for a fast response. The management also lacks situational awareness to see what is happening throughout all its facilities in real-time.

THE SOLUTION

By deploying Ava Aware Cloud, the public transit company's operators get instant alerts when people are getting too close to the rails, when passengers have fallen (injured, sick, mugging), or when it detects people on the railway gantry. The operators also use Aware's powerful Smart Search™ feature to comb through all the feeds from the cameras installed in buses, trams, trains, stations, and platforms and build powerful cases against vandals and thieves. With Ava's intelligent cameras, operators get instant alerts when the cameras' integrated acoustic sensors detect loud noises (gunshots, screaming, breaking glass) and their direction.

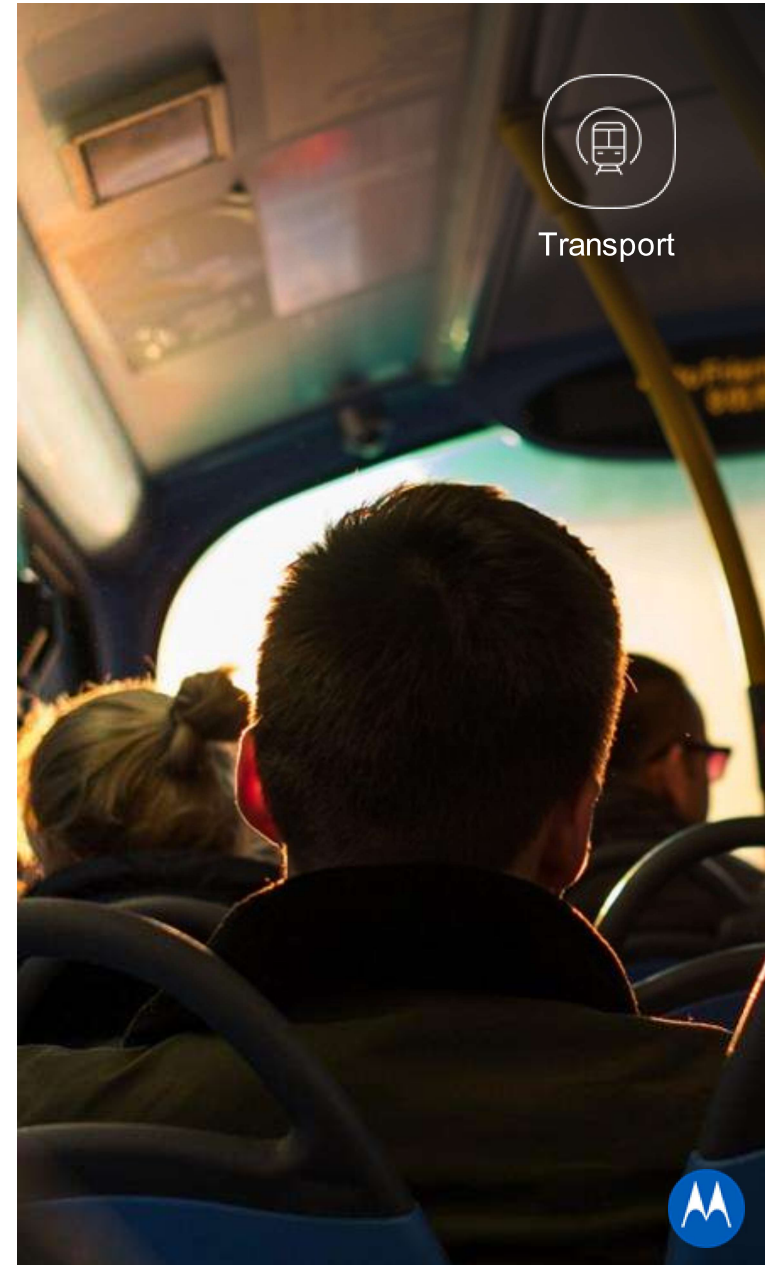
BENEFITS

Using Ava Cloud Video Security, the public transit company can respond to incidents as soon as they arise, reduce vandalism, and deliver better passenger experiences and help them get safely on time to their destination.

Ava Aware Cloud

Ava Cloud Connectors

Ava Cameras



IMPROVE ACCURACY IN PARKING MANAGEMENT

THE CHALLENGE

A parking services provider with thousands of locations is rolling out an ANPR/LPR for automatic billing. The company suspects that 12-15% of vehicles are not registered due to various reasons. They wanted to implement a system where they can count cars passing and manually register missing cars passing.

THE SOLUTION

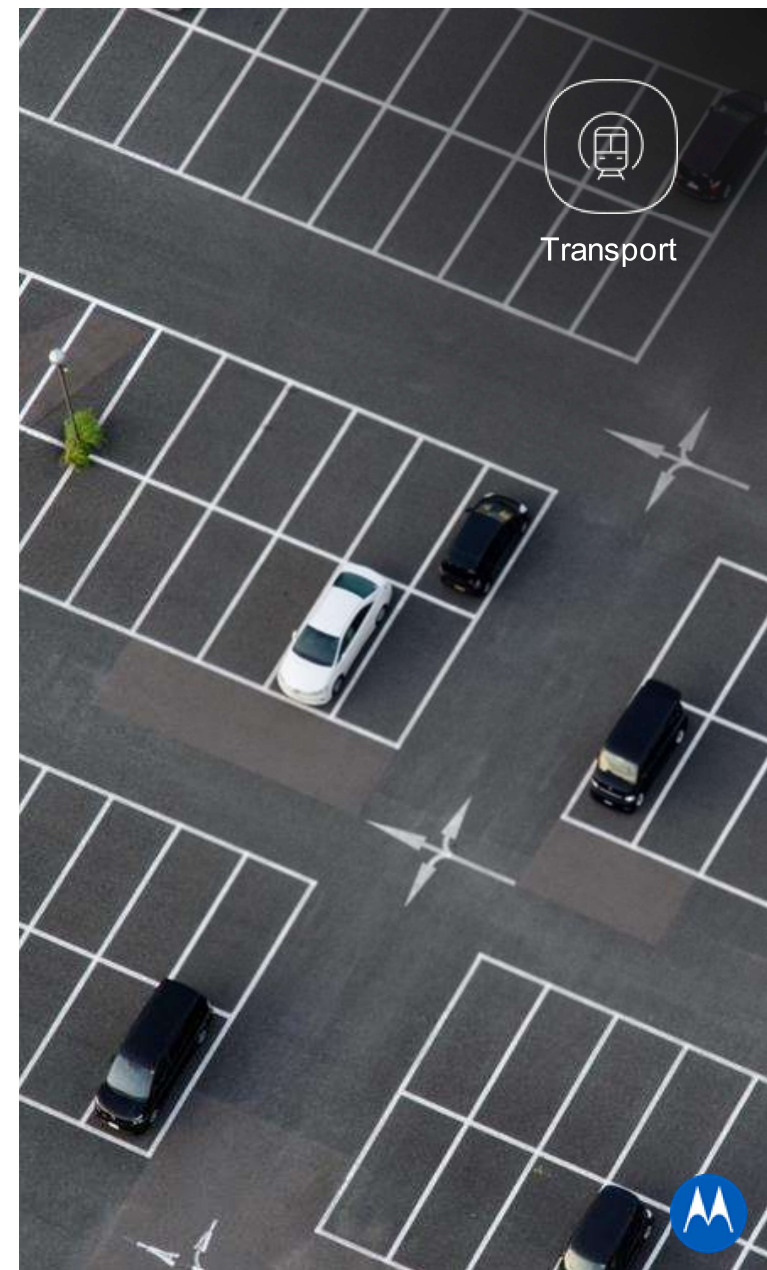
The parking services provider deployed Ava cameras and the Ava Aware video management system (VMS) installed on an Ava Cloud Connector. The cameras are installed in areas with better visibility and work in tandem with the ANPR system, as well as other third-party cameras. The Aware VMS collects insights from Ava cameras and the traditional cameras and does vehicle counting at entry and at exit.

BENEFITS

By deploying video security solution from Ava, the parking services provider can improve the accuracy of its billing services, and, at the same time, increase the parking lot operational efficiency. This also means relying less on manned guards or staff to manage the lists of authorized and unauthorized vehicles.

Ava Aware Cloud

Ava Cloud Connectors



EDUCATION

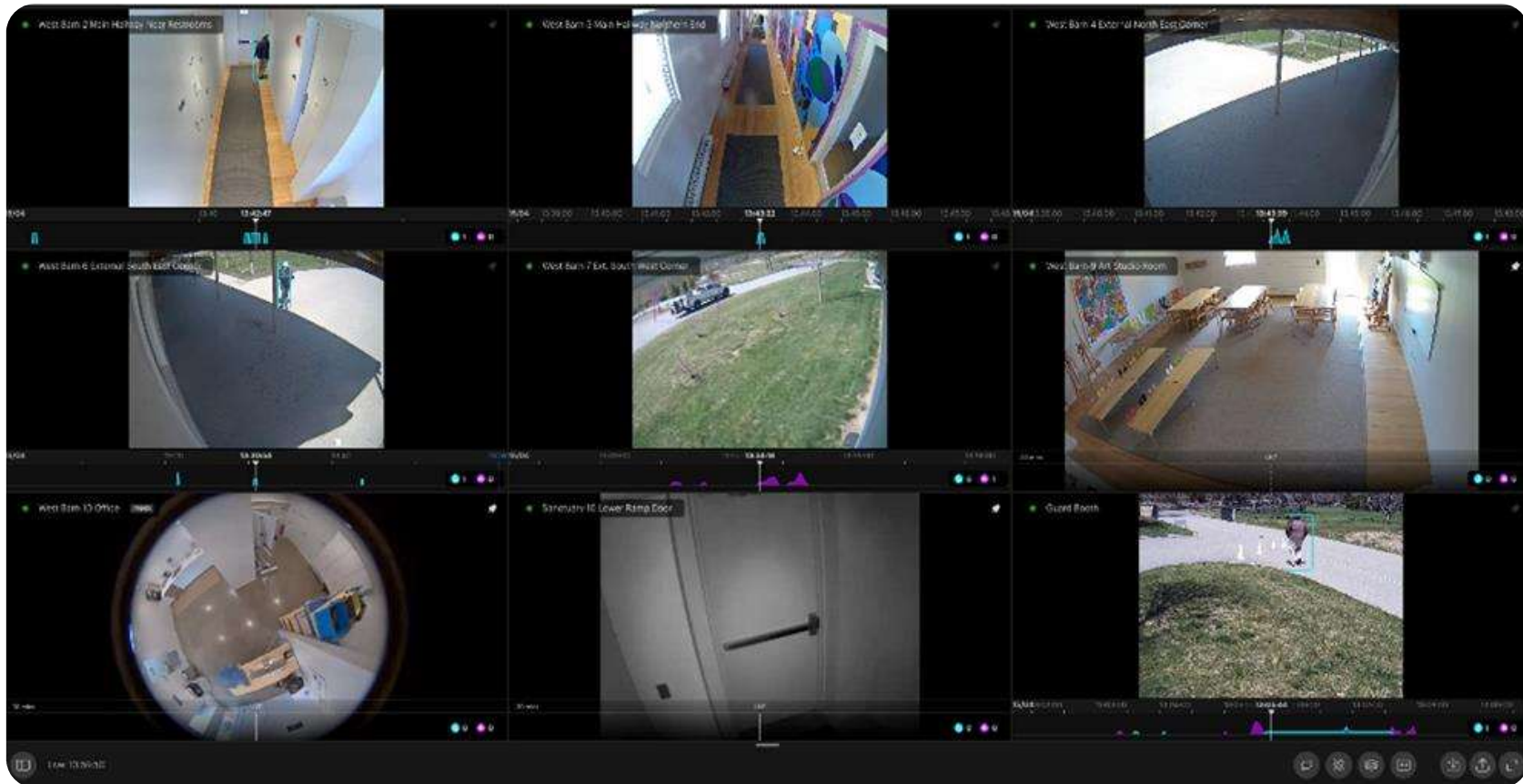
SOLUTION



Wandering students



Secure school grounds for community services





Social distancing and people
detection out-of-norm

Unusual event

14/12/02 04/03/2020

×

General info

▼

Acknowledgement

None

▼

Camera

Hope Hallway 14

View

Hope Hallway 14

Event

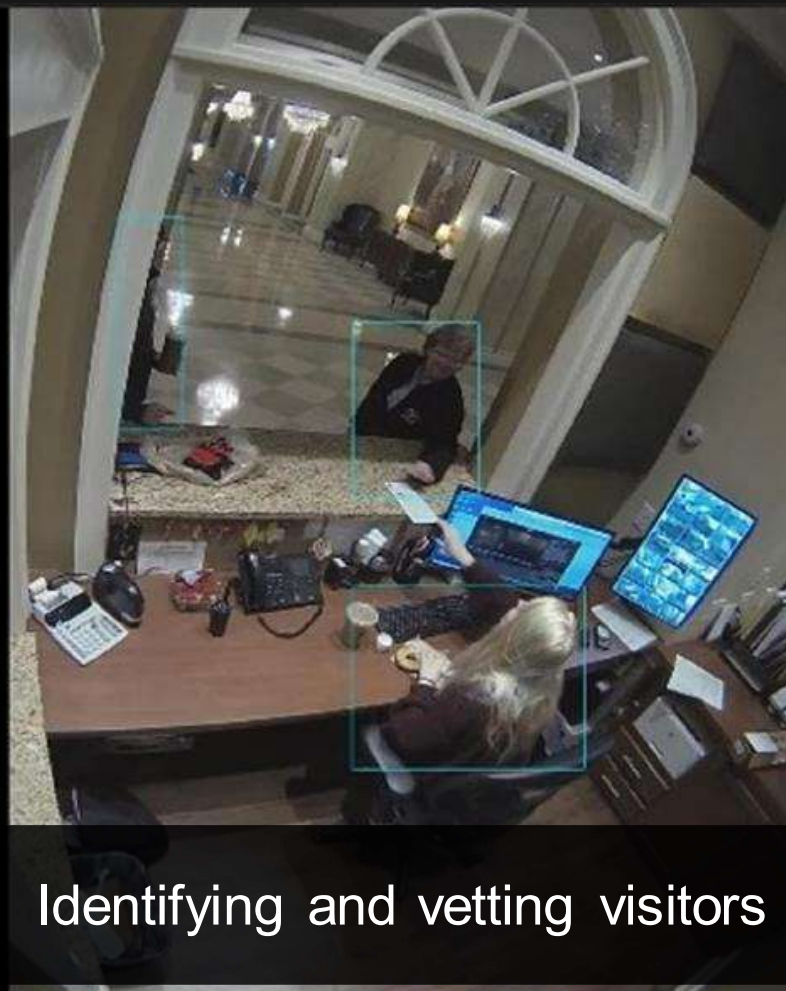
Time of the week

Logs and comments

▼



Front Desk East



Identifying and vetting visitors



CANNABIS

SOLUTION



HEMPIRE COLLECTIVE SOLVES SECURITY AND COMPLIANCE STRUGGLES WITH AVA CLOUD VIDEO SECURITY

THE CHALLENGE

Protecting employees, operations, and major assets, such as inventory and equipment, goes hand-in-hand with the success of the Hempire Collective. Plants and facilities need to be monitored 24/7. But management found out the hard way that its video surveillance solution created challenges that, if left unresolved, could result in life-threatening consequences, expensive fines, and business setbacks—even the loss of their license.

THE SOLUTION

By deploying Ava Aware Cloud, the users benefited from real-time alerts, enabling proactive security. With the help of AI, Ava helped end the compliance struggle. Additionally, Ava made existing 75 cameras smarter; no need to rip and replace.

BENEFITS

The Hempire Collective team can keep track of the exact locations of employees, visitors, and customers. Not only do they get a clear picture of operations and transportation in and out of their facility, but they also now have powerful AI video analytics detecting anything unusual at any time. In addition, a staff member no longer has to sift through hours of video security footage at low resolution, which took days at a time and often led to nothing of value. They have to copy the footage and send it manually to the proper authorities using a bulky hard drive or another physical device. The Hempire Collective also relies on this high level of built-in security to keep operations safe and comply with secure transaction requirements.

Ava Aware Cloud

Ava Cloud Connectors

