

# Ava CCloud Video Security

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**Rethink security and bring Ava's cloud-native open data platform with full analytics and operational insights to your existing cameras and systems.**



Detect threats and anomalies in real time with AI-powered security



Deploy Ava Cloud Cameras with integrated analytics and onboard storage



Get started quickly and manage with ease



Stay protected from cyberattacks and updated through the cloud



Search faster and more accurately



Get analytics from all your cameras, all the time, in a unified, single view



Optimize operations with insights



Enjoy secure web and app access from anywhere in the world



Extend to the tools and systems that you use every day



Reduce bandwidth usage and get high-quality footage

## An open video security data pLatform at your fingertips



Ava Compact Dome®  
Ava Dome®  
Ava 360®  
Ava Bullet™  
Ava Quad™

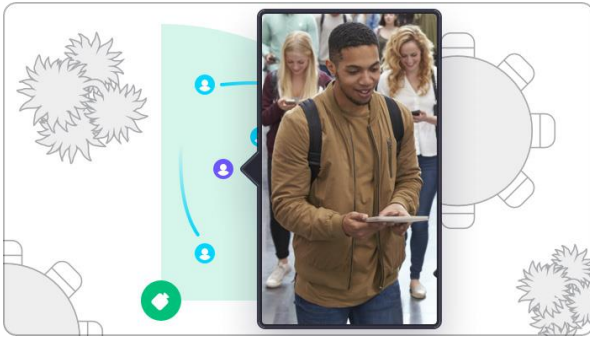


Ava Aware Cloud® Video Management System



Ava Cloud Connector™

## Why Ava?



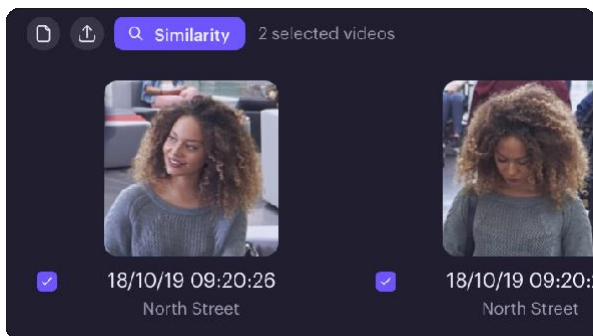
### Map view with Smart Presence™

Add maps of all your locations and facilities in Aware to gain enhanced situational awareness and insights. Each map can be configured and includes camera views, alarm views, as well as the ability to track and count people, vehicles, and other objects as they move on your premises.



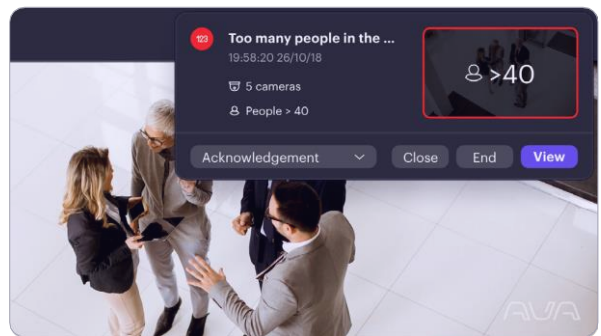
### Video view with Spotlight

Powered by deep learning, Aware uses Spotlight to change video streams dynamically to bring only the relevant feeds to the operators' attention. Real-time alerts and notifications pop up on the video wall to describe the incident, the time, and the place it occurred.



### Fast investigations with Smart Search™

Search by event and similarity, and perform appearance and image detection powered by machine learning to comb through countless hours of video throughout your entire deployment. Reduce forensic investigation time from days to minutes, and gain more efficiency and accuracy with the same number of operators.



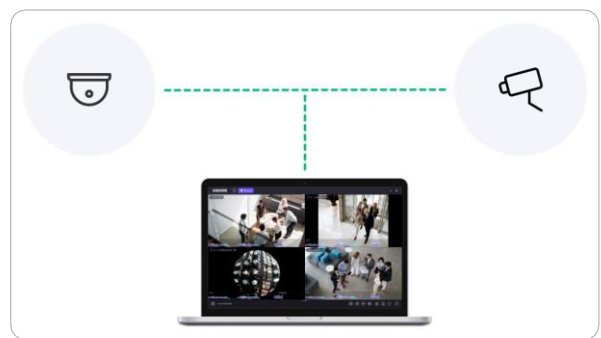
### Occupancy counting

With occupancy counting, security operators and administrators can monitor large facilities to keep a rolling total of the current occupancy of people and vehicles of defined locations. Additionally, in-view area counting can be used to monitor specific areas where people are congregating.



### Reduce bandwidth and get high-quality video

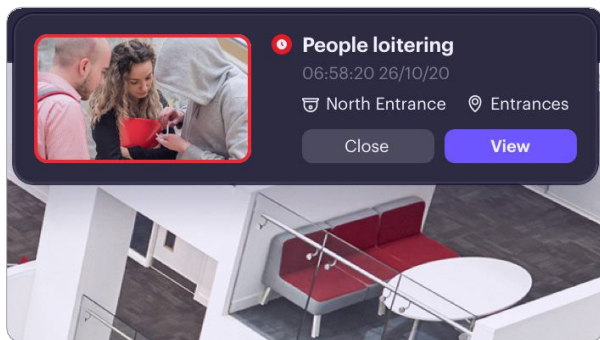
Ava Smart Path™ minimizes bandwidth consumption and keeps video local using unique and innovative technology such as WebRTC intelligent routing and AI-based bandwidth and storage optimization, alleviating a key customer concern.



### Single View™

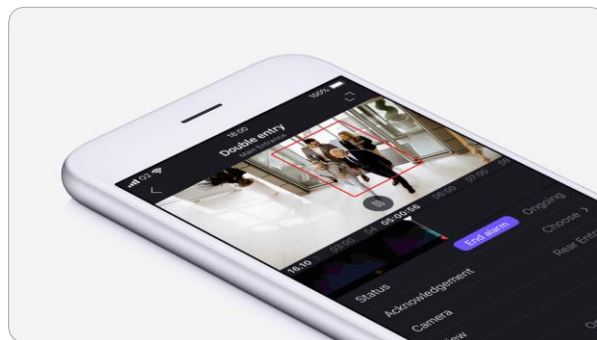
See and manage all your Ava and third-party devices across all deployments in a single pane of glass, regardless of whether they are directly connected to the cloud, or physically tethered to the Cloud Connector.





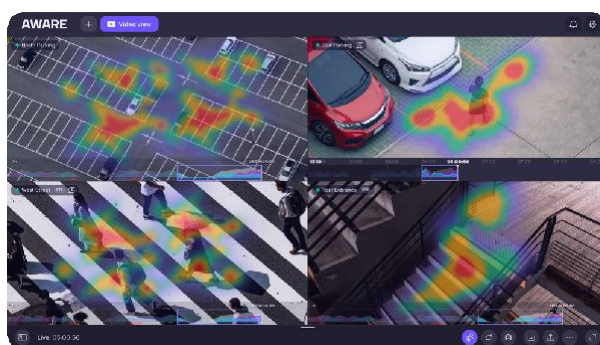
## Anomaly detection in real-time

Use rules-based templates to define scenarios where you want to be notified when specific events occur, such as loitering, line crossing, fire exit access, and more. Aware leverages advanced object identification to monitor and detect unusual events and behaviors and sends alerts and notifications in real-time.



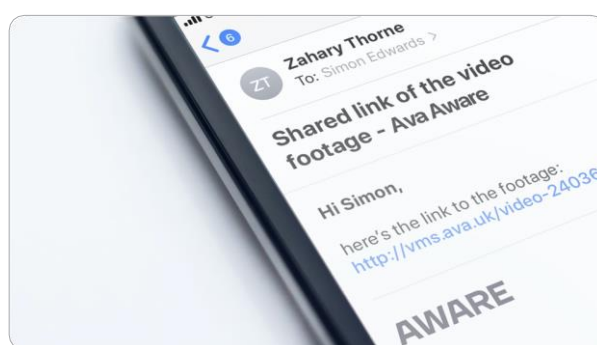
## Mobile app (Android, iOS)

With the Ava Aware Android and iOS apps, we offer users a set of features that mirrors the Aware web client, from seeing and managing alarms to viewing live video or playback. Users will experience a natural, smooth transition from web to mobile and vice-versa.



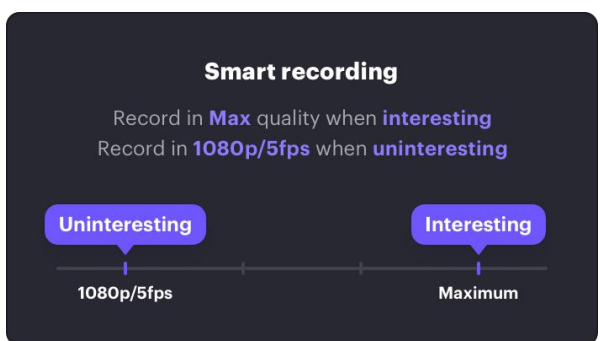
## Heatmaps

Heatmaps are ideal for gaining more insights into retail, healthcare, schools and other educational facilities, public venues, hospitality locales, public transport, or federal government premises. The tool provides enhanced awareness of customer behavior, dwell times and congestions, transportation flows, suspicious activities, and more.



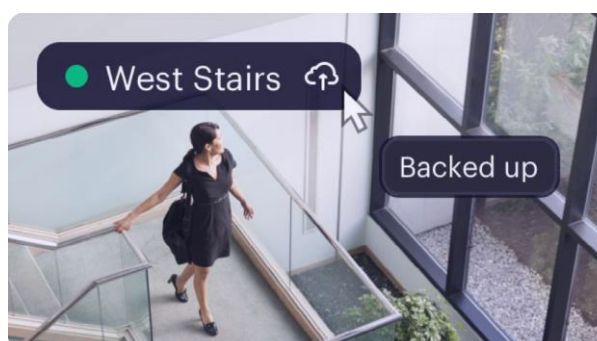
## Secure sharing of recordings

Aware enables you to select clips of interest and then generate a link that you can send to relevant people, such as your Human Resources department or law enforcement authorities, for secure viewing. When they follow this link, they can view your selected video clip without needing access credentials for Aware. You can choose the access availability or allow the viewer to download.



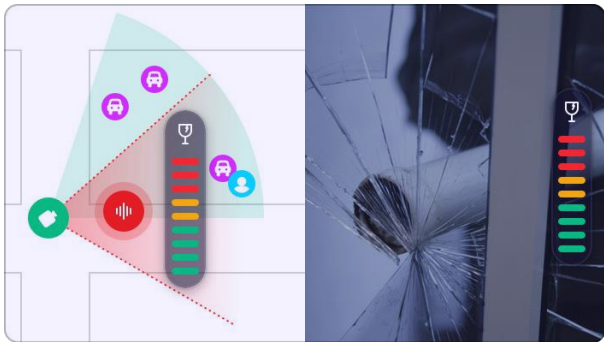
## Smart Recording™

Smart Recording™ switches the resolution stream for all your camera recordings. It automatically records with maximum resolution when people and vehicles are present or interesting events occur and changes to as low as 360p or no recording at all when the activity disappears to save storage space.



## Ava Cloud Storage™

Expand the storage of all your video footage into the cloud. Attain enhanced flexibility with easy access to your cloud archive, irrespective of connectivity and bandwidth demands. Leverage the machine learning-based Smart Recording™ feature to determine which activities or events are unusual and therefore important to be saved.



## On-camera analytics

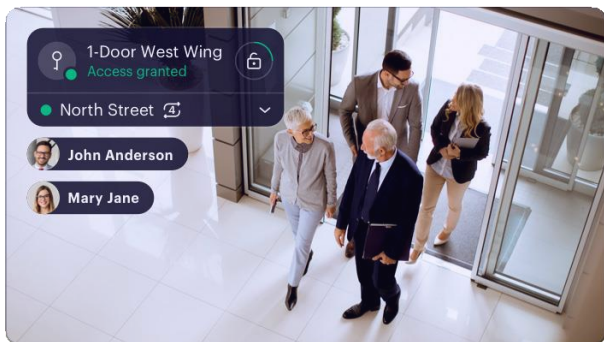
Ava's cloud-managed Dome, Compact Dome, 360, Bullet, and Quad security cameras integrate advanced intelligence via image recognition, machine learning, and directional acoustic sensors. Each camera also identifies specific sound patterns, like screaming, gunshots, breaking glass, ultrasound, car alarms, or loud noises, to determine the type of sound and direction\*.

\* Compact Dome and Quad have sound analytics, but cannot determine direction.



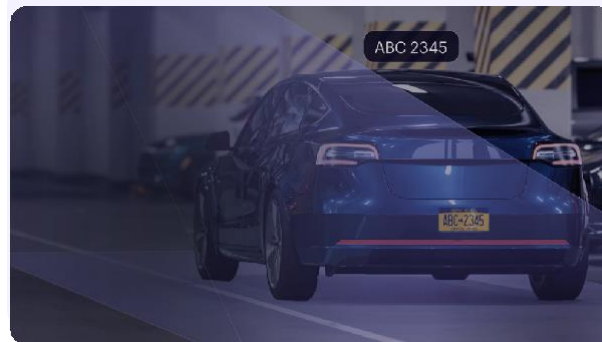
## Always on security

With automatic software updates from the cloud, end-to-end encrypted data and metadata, and secure remote access from anywhere in the world, it's never been easier to prevent cybersecurity threats. We manage all your Ava products through the cloud, enabling a controlled, proactive process to keep your system always up-to-date.



## Open

Deploy Aware Cloud directly or use one of our highly performant Cloud Connectors to achieve a friction-free transition to the cloud, gain local storage capacity, and power your third-party cameras with AI analytics and storage. Integrate Aware with your existing security cameras, access control systems, dashboards, monitoring systems, sensors, cloud storage solutions, and APIs to get more value and visibility in a single view.



## Ava Aware License Plate Recognition

Extend Ava Aware's powerful LPR solution to your existing security cameras. Say goodbye to dedicated license plate recognition cameras, expensive licensing, and lack of control. Get rules-based alerts for license plates of interest, speed up post-event investigations, and optimize operations based on vehicle analytics and business intelligence.



### 100% NDAA-889 compliant

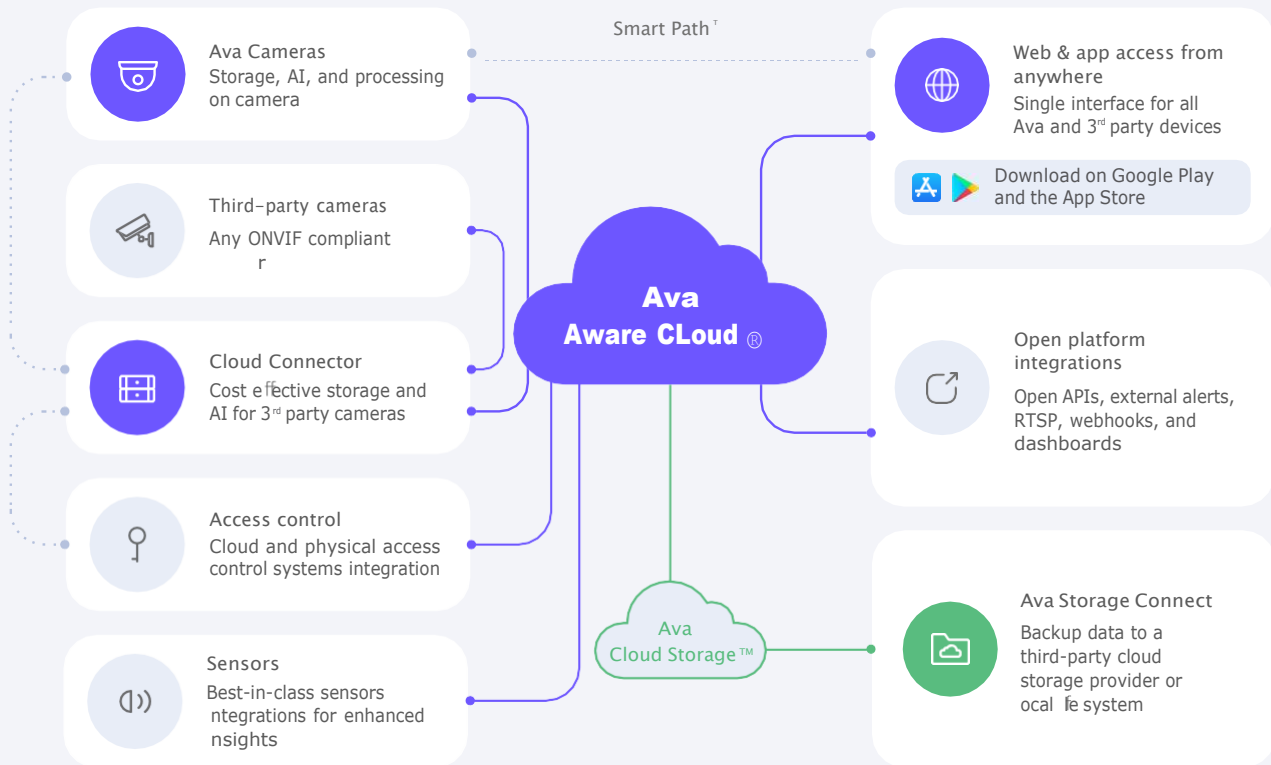
Ava's video security hardware adheres to the US Federal Government IT procurements guidelines and is 100% NDAA Section 889 compliant.



### ISO 27001 certified

Ava's design, development, sales, implementation, and software support for cyber and video security, including cloud-hosted services with associated support services, including operational delivery, are ISO 27001 certified.

## The solution - Simple, open, and scalable video security



# Ava Cameras

## Ava Quad and Ava Quad Cloud



The Ava Quad and Ava Quad Cloud cameras are adjustable at installation to provide the best field of view for each of the sensors. For audio detections, these cameras feature a four-way microphone array to provide feedback on the location of the source of the audio. The Ava Quad camera is available in a two-tone black and white design.

### Typical use for Ava Quad and Ava Quad Cloud cameras

For situations where you previously had to mount multiple cameras in close proximity in order to set your required fields of view, you can now install a single Ava Quad camera, and configure the horizontal and vertical fields of view and the levels of zoom for each of the four sensors, to best match the coverage you require for the area.

# Ava Cameras

## Ava Bullet and Ava Bullet Cloud



The Ava Bullet and Ava Bullet Cloud cameras are adjustable at installation to provide the best field of view for each location. For audio detections, these cameras feature a four-way microphone array to provide feedback on the location of the source of the audio.

The Ava Bullet cameras are available with two lens options; Wide angle (with a focal length of between 4.3 – 10.8 mm, giving up to a 100° field of view) and Tele (with a focal length of between 11 – 28 mm, giving up to a 39° field of view). For both lens options, you can rotate the lens in the housing to give either a 16:9 landscape view, or a 9:16 corridor view.

### Typical use for Ava Bullet and Ava Bullet Cloud cameras

Bullet cameras are used where you need to monitor large areas. This could be a wide area such as a parking lot, where the Ava Bullet Wide is useful. The Ava Bullet Tele camera is ideal for monitoring long distances, for example, along a perimeter fence, or to monitor a Solar Power installation.



# Ava Cameras

## Ava Dome and Ava Dome Cloud



During installation, power can be sourced from either the USB or Ethernet connection for additional flexibility during configuration.

The Ava Dome and Ava Dome Cloud cameras are adjustable at installation to provide the best field of view for each location. For audio detections, these cameras feature a four-way microphone array to provide feedback on the location of the source of the audio. Ease-of-use is of paramount importance in the design of the Dome cameras, these cameras feature both Ethernet and USB connections for setup, enabling the field of view and zoom levels to be adjusted and verified from a tablet or laptop computer.

Once the camera has been set up, the Ethernet connection is used to link your Ava Cameras to your Aware surveillance network (or internet-connected network for Ava Cloud Cameras).

### Typical use for Ava Dome and Ava Dome Cloud cameras

Fixed dome cameras are used where you need discrete devices that are visually unobtrusive. With Dome and Dome Cloud, you configure both the horizontal and vertical fields of view and the level of zoom, to best match the location for each camera.

# Ava Cameras

## Ava 360 and Ava 360 Cloud



During installation, power can be sourced from either the USB or Ethernet connection for additional flexibility during configuration.

The Ava 360 and Ava 360 Cloud (panoramic) cameras are wide angle, fixed focus models, with a field of view of 360°. For audio detections, these cameras feature a four-way microphone array to provide feedback on the location of the source of the audio. Ease-of-use is of paramount importance in the design of the 360 cameras, these cameras feature USB connections for setup from a tablet or laptop computer.

Once the camera has been set up, the USB cable is disconnected, and, if not already connected, the Ethernet cable to your Aware surveillance network (or internet-connected network for Ava Cloud Cameras) is connected.

### Typical use for Ava 360 and Ava 360 Cloud cameras

Panoramic cameras are used where you need discrete devices that are visually unobtrusive. With 360, you get a device with a wide field of view, enabling 360° (when ceiling-mounted) and better than 180° (when wall-mounted) coverage of the area protected by each camera.

# Ava Cameras

## Ava Compact Dome and Ava Compact Dome Cloud



During installation, power can be sourced from either the USB or Ethernet connection for additional flexibility during configuration.

Like its full-size siblings, the Ava Compact Dome and Ava Compact Dome Cloud cameras are adjustable at installation to provide the best field of view for each location. For audio detections, these cameras feature a single microphone to capture audio detections.

Ease-of-use is of paramount importance in the design of the Compact Dome cameras, these cameras feature both Ethernet and USB connections for setup, enabling the field of view to be adjusted and verified from a tablet or laptop computer.

Once the camera has been set up, the Ethernet connection is used to link your Ava Cameras to your Aware surveillance network (or internet-connected network for Ava Cloud Cameras) .

### Typical use for Ava Compact Dome and Ava Compact Dome Cloud cameras

Designed for interior use, the Compact Dome cameras capture detail in a range of light conditions. With good daylight capabilities, the Compact Dome cameras also include inbuilt IR lighting to ensure that even images in near darkness are captured.