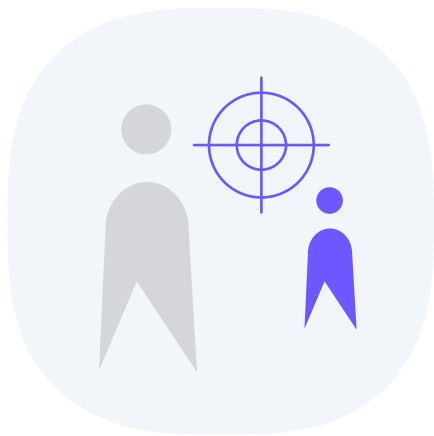**AVA**
FEDERAL

Protecting those who protect us

How Ava's intelligent Video Security solution is serving the U.S. Military

High standards for physical security at a U.S Military Base

As a multi-faceted community with several buildings, public safety services, healthcare facilities, schools, childcare, barracks, a commissary and a visitor's center, a typical U.S. Military base is a city in itself. Beyond the protection of armed forces personnel, the base is responsible for the safety of many civilians and civil servants.

With such high standards and complex needs, U.S Military bases recognize the need for intelligent security systems that enable proactive monitoring, provide fast and smart forensics and comply with NDAA Section 889.

A system that can reduce:
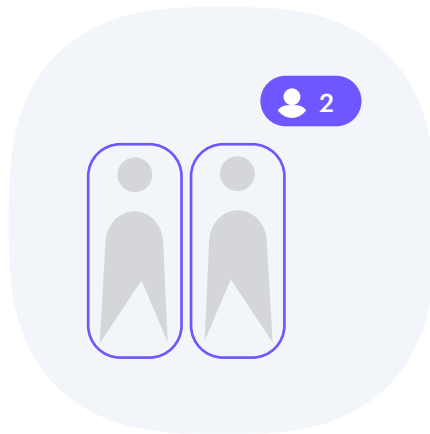
Active shooter incidents

Assaults/crimes

Vehicle & personnel breaching the base

A system that can enable:

Contact tracing

Occupancy counting

Operational insights

Challenges faced by the Base

Many U.S. Military bases, realize that their current video surveillance platform creates challenges that if left unresolved, could result in life-threatening consequences. These challenges include:

Inadequate situational awareness.

The size and diversity of the base pose a challenge. Past security measures led to gaps in coverage, leaving the base vulnerable to both internal and external threats.

In addition, the Covid-19 pandemic created the need for increased situational awareness. Without a real-time and dynamic understanding of the environment, it became increasingly difficult to enforce preventative measures to control and mitigate the risk of transmission.

Slow incident response time.

Speed is critical. Within the confines of the Military Base, the consequences of slow incident response time can be devastating and even sometimes deadly.

The longer it takes for the Security Operation Center (SOC) to gather, understand, and analyze the details of the incident, the greater the threat becomes. It became clear that responding to an Active Shooter, vehicle breach, or an assault, required immediate action that wasn't available through their existing technology.

Limited real-time analytic capabilities.

The Base wanted to prevent incidents from occurring rather than reacting after an incident has occurred. The traditional method of receiving an emergency call and responding after the fact was too costly, The Base needed a platform that would provide the security team with automation notifications and alerts based on anomalies and rule-violations that were captured on video.

NDAA-889 compliance.

All military bases must meet the NDAA-889 compliance which states that the U.S. Government has banned specific telecommunications and video surveillance equipment utilizing chips manufactured in China. Government contractors must help agencies remove/replace banned equipment by Aug 12, 2021.

Why Ava?

One U.S. Military Base recently turned to Ava, for an end-to-end intelligent security solution that would meet its full range of needs. Their requirements were a platform that was:

Proactive. When there is a need to respond to a threat, the response needed to be immediate.

Precise. On a base of this size, it was critical to pinpoint the exact location and nature of a security event in seconds — not hours or days.

Simple. The system needed be straightforward to implement, manage and use within the existing infrastructure and cameras. Ease of use saves time and lives.

Scalable. The system needed to be able to scale to thousands of cameras.

Ava understood that the ability to protect military personnel and civilians that run the Base is of utmost importance. Seconds matter. Ava's wicked-fast and smart forensic searches and powerful analytics transforms the manually intensive examination of massive surveillance footage into accurate and useful results within mere minutes. Security operators are using powerful appearance, event, or image search functions to narrow down and track people or objects of interest.
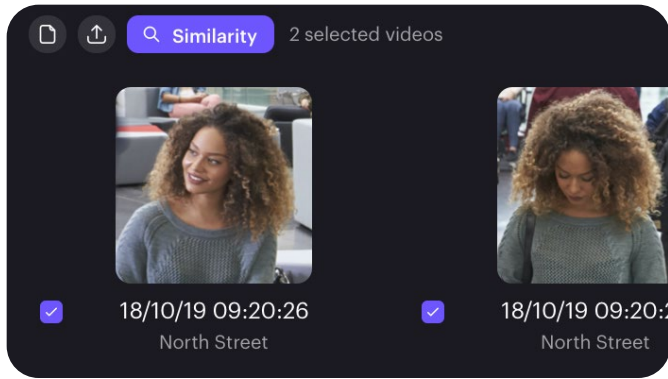
Using Ava, security operators can add maps of all the Base's locations to gain situational awareness and insights. Each map can be configured and includes camera views, alarm views, as well as the ability to track people and objects as they move around the campus.

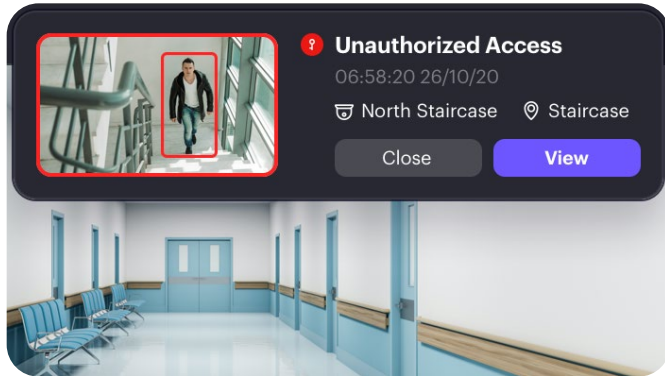## Only Ava could meet their challenges:

Advanced Situational Awareness: Powered by Ava's **Smart Presence™**, Ava's use of AI and machine learning allows security personnel and operators to detect anything unusual at any time. Ava Aware VMS understands perimeters and behaviors, identifies, classifies, and tracks people of interest, vehicles, or other objects to send alerts before threats escalate.

Operators now receive immediate alerts on unidentified loud noises including the exact source of the sound through microphones. The Base's security teams are now able to stop threatening actions before there is damage to property or people.

Rapid Incident Response: Powered by Ava's **Spotlight**, video streams change dynamically to bring only the relevant feeds to the attention of the operator. Real-time alerts and notifications show up on the video wall to describe the incident, the time, and place it occurred.

Using Ava's **Smart Search™**, the Base is able to search by event and similarity to perform appearance and image detection powered by machine learning capabilities to comb through countless hours of video within seconds.

Real-time Analytics:
Ava provided the Base with threat detection and notifications in real-time and uses intelligent algorithms and self-learning to detect abnormal behavior. The platform will alert the Base's security operators in real-time. It will intelligently highlight what's relevant from all of the Base's cameras, in real-time, all the time.

NDAA Compliant: Ava's video hardware is TAA (Trade Agreement Act) Compliant, enabling any base to be fully NDAA 889 compliant.

Ava also provided a solution that provided operational efficiencies:

Seamless integration with existing cameras.
Whether a base is replacing all or some of their cameras, Ava Aware VMS easily integrates into - and enhances - existing cameras with the same AI capabilities. Now, existing ONVIF cameras are enhanced with analytics such as object detection, people and vehicle count, similarity-based searching and more. By linking all existing cameras into a larger, AI-based video analytic platform, the base can leverage these powerful analytics across 'all the cameras, all the time'.

Access Control Integration.
Ava's solution easily integrates into access control, remote monitoring, and existing infrastructure. Monitoring the entire base can be done as part of a single video management system.

Scalable:
The platform can easily be clustered to meet the growing needs of a base, from hundreds to thousands of cameras.

Deployment simplicity:

Ava's system is designed for overall simplicity and readiness for deployment. With security cameras that were ready to go - fully loaded with out-of-the-box Ava Aware software - the base could easily replace cameras in a phased implementation, minimizing installation time and eliminating downtime. Ava's simplified licensing/pricing model further simplified deployment.

The same simplicity extends to maintaining scalable management within a base's group configuration policies. Plug and play configuration removes the need for user names and passwords, pre-configuration steps, and default settings.

And finally, the base chose the Ava system for its general ease of use. Security operators now have access to detailed camera information, activity logs, and advanced video adjustments in a single, user-friendly screen view.

Set up for success

The Base is now set up for success with an end-to-end intelligent video security system that will scale with their needs. Highlights include:

- Camera installation, which will put the Base into full compliance with NDAA-889.

- The Base now has the highest level of security, to protect against the vulnerabilities of the connected world. The equipment has end-to-end encryption, factory-installed certificates, and records detailed audit trails of both operators and administrators to assist with any other compliance requirements.

- Security operators have gone from having "data overload" to easily and quickly accessing "actionable insights" to drive more confident and proactive security decisions. By leveraging powerful analytics, the Base's operators:

  - are able to respond in real-time and investigate incidents faster and with fewer resources. Operators are able to act on the system's identification of objects, events, anomalies, and similarities that detect issues as they unfold.

  - have full occupancy insight to manage the flow of people and traffic across the Base in support of COVID-19 rules and regulations. Ava **Smart Presence™** includes a people and vehicle counter to track objects in real-time, allowing for historical analysis and reporting. Configurable maps of all locations provide instant situational awareness and insights.

- The Base seamlessly integrated the new system with existing access controls and non-banned cameras to cost-effectively meet the mandate and fully leverage analytics across the entire security system.

- Security teams at the Base can trust in a powerful security solution that doesn't inadvertently contain technology that poses a new threat.

Whether enhancing your existing cameras with advanced video analytics, replacing your entire video security system to meet the NDAA mandate, or creating a solution from scratch, the U.S. Military and supporting agencies can benefit from Ava's secure cameras and leverage Ava's powerful analytics for the highest levels of proactive security.

AVA

FEDERAL

Ava exists because we believe that we can create a better, smarter way to deliver video security. We inject intelligence in our approach to security and all our products. We help agencies monitor, understand, and act on their surroundings to protect their people, critical infrastructure and assets in real-time.

To learn more about our innovative solutions, and how you can enjoy proactive security, visit our website or schedule a demo with a member of our federal sales team at: **sales@avafederal.com**.

www.avafederal.com