AVIGILON FEDERAL GOVERNMENT TECHNOLOGY GUIDE

TRUSTED SOLUTIONS FOR GOVERNMENT AGENCIES

MOTOROLA SOLUTIONS

Government agencies bear the tremendous responsibility of protecting and defending its employees, civilians and the nation's critical infrastructure and buildings. But unlike traditional solutions for video security solutions and physical access control systems, the complexity of procurement and technology evaluation is layered with compliance requirements to an ever-evolving set of standards and regulations.

Agencies across the federal government, and even across state and local levels, are tasked with securing facilities, people, and assets in any number of government environments and contexts, including the Department of Defense, homeland security, city surveillance, port security, borders, military bases and more. Government security personnel need to do more with less in order to effectively secure facilities that often span across a large perimeter. With so much at stake, the ability to monitor potential threats in real time and leverage the power of intelligent forensic video tools could make all the difference in preventing unwanted situations such as intrusions, security breaches, internal or external theft of physical or confidential assets, tailgating, or worse of all, attempts of coordinated attacks from threats, both domestic and foreign.

Motorola Solutions suite of Avigilon video security and physical access control systems offer an end-to-end unified solution that meets the important security standards of the Federal Government to achieve the following benefits:

- Live video streaming leverages real-time Avigilon video analytics to increase the productivity of security personnel while making monitoring more affordable and manageable to combat attention fatigue and resource constraints.

- Our assistive AI-powered video analytics (e.g., Focus of Attention, Unusual Motion Detection, Unusual Activity Detection, Facial Recognition, License Plate Recognition, Appearance Search, Identity Search) facilitate greater efficiency and effectiveness across your security operations.

- Reduce investigations from days to minutes with intelligent forensic search capabilities.

- Increase ROI by leveraging embedded intelligence technologies that save man hours traditionally dedicated to monitoring screens or watching recorded video.

- Invest in ultra high-definition cameras that capture more area and evidence with fewer cameras.

- Save money and maximize budgets for a lower TCO with no annual maintenance fees.

- Turnkey FIPS solution with NIST RMF and STIGs hardening cybersecurity posture, that adheres to US Federal Government IT procurements guidelines (NDAA, FAR, TAA).

Choose your combination of FIPS-compliant solutions to augment or replace existing systems in a flexible and modular fashion

AVIGILON FIXED VIDEO SECURITY SOLUTION

AVIGILON CAMERAS

Certificate-based identity for networked devices using port-based authentication, allowing IoT devices like cameras to authenticate and operate on a Government secure network using the 802.1x and HTTPS security protocols.

Configure FIPS compliant (FIPS 140-2 Level 1) cryptography mode for supported Avigilon cameras to encrypt data-in-flight to Avigilon FIPS Series Network Video Recorders (NVR).

AVIGILON NETWORK VIDEO RECORDER SERVERS

Data encryption of video-at-rest to FIPS 140-2 Level 2, secured with on-board TPM.

OS drive encrypted to FIPS 140-2 L2 (secured with TPM)

Certificate verification to ensure Avigilon servers are talking to authorized devices such as Avigilon cameras and workstations on the Government network.

Fed-Gov factory build with adherence to NDAA, TAA and FAR from Dell Federal Government factory.

Hardening guide to help customers secure their deployment and ensure all solution components meet stringent NIST cybersecurity Risk Management Framework.

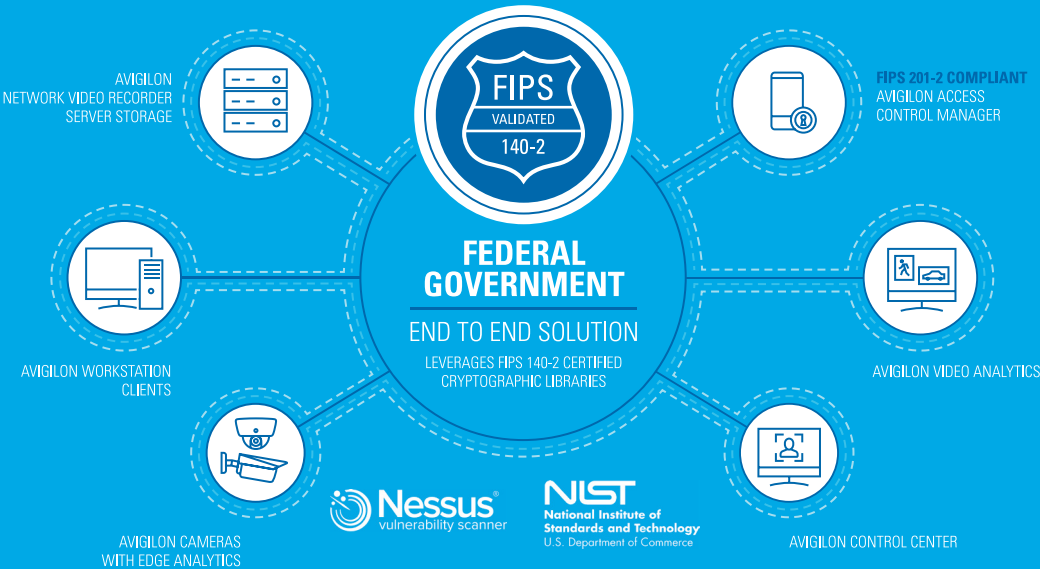**AVIGILON CONTROL CENTER VIDEO MANAGEMENT SOFTWARE**

Enable FIPS video encryption between ACC Server and ACC Client as well as between cameras and ACC Servers.

AVIGILON PHYSICAL ACCESS CONTROL SYSTEM

AVIGILON ACCESS CONTROL MANAGER

FIPS 201-2 certification for Access Control PIV (HSPD-12)

FIPS 140-2 compliance across all system components: reader, sub-panel, controller, server appliance and client browser.

AVIGILON
NETWORK VIDEO RECORDER
SERVER STORAGE

FIPS VALIDATED 140-2

FIPS 201-2 COMPLIANT
AVIGILON ACCESS
CONTROL MANAGER

FEDERAL GOVERNMENT
END TO END SOLUTION
LEVERAGES FIPS 140-2 CERTIFIED
CRYPTOGRAPHIC LIBRARIES

AVIGILON WORKSTATION
CLIENTS

AVIGILON VIDEO ANALYTICS

Nessus®
vulnerability scanner

NIST
National Institute of
Standards and Technology
U.S. Department of Commerce

AVIGILON CAMERAS
WITH EDGE ANALYTICS

AVIGILON CONTROL CENTER

TECHNOLOGY COMPONENTS DEFINED

Having the right technology is critical to government agencies being successful in safeguarding their people, assets and facilities. Avigilon, a Motorola Solutions Company, delivers the best-in-class fixed video and physical security platform. Our robust ecosystem of video security and physical access control solutions integrate into your new or existing security infrastructure, enabling you to maximize your resources and enhance response times.

The following FIPS compliant security technologies are available to government agencies:

H5A CAMERA LINE
The H5A camera line features our latest advancements in video analytics technology with on-board intelligence to help focus your attention on potentially critical events, providing a smarter and more powerful video security camera from the moment you set it up. H5A Cameras are configured to use FIPS 140-2 cryptography to encrypt data-in-flight to Avigilon FIPS Series Network Video Recorders. Our Camera Configuration Tool and WebUI also support certificate management for 802.1x and HTTPS security protocols.

NVR4X FIPS SERIES
FIPS Series Avigilon Network Video Recorders (NVR) provide secure, reliable and scalable platforms for high performance end-to-end security solutions. From the factory, our NVRs are pre-hardened to meet the government's NIST-based Risk Management Framework and FIPS 140-2 Level 2 Security Requirements that protect data-at-rest. All NVRs use Dell Federal supply chain and are configured directly with DISA STIGs compliant Windows OS. Our NVRs are also pre-loaded with ACC video management software that uses FIPS compliant cryptography for secure network video recording and video encryption. Avigilon cameras connected to NVR4X FIPS Series servers encrypt data-in-flight using FIPS compliant cryptography. Avigilon NVR servers perform certificate verifications to ensure they are only talking to authorized devices such as Avigilon cameras and workstations on the security network.
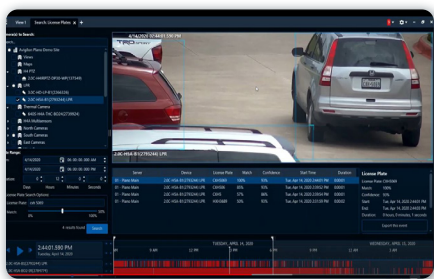
AVIGILON CONTROL CENTER

Avigilon Control Center (ACC) is the industry's most advanced video management software. It's designed to intelligently bring the right information to your attention so that you can take action in real-time. Combined with powerful forensic video search tools to help you identify and investigate recorded events in mere minutes, ACC 7 provides an easy-to-use, AI-enabled user interface to help ensure critical events do not go unnoticed. ACC uses FIPS 140-2 Level 2 certified encryption library to encrypt video at the server-client level.
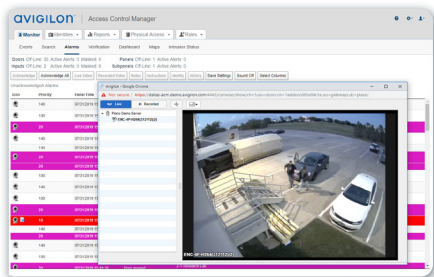
AVIGILON ACCESS CONTROL MANAGER

The Avigilon Access Control Manager (ACM) system is FIPS 201-2 compliant and certified and approved for government and federal agency use in PIV credentialing and physical access control system (PACS). As a PACS purpose-built for government and large enterprise-class installations concerned with cybersecurity, it is designed to help you focus on securing your people, property and assets while giving you the flexibility to respond to alerts wherever you are. It seamlessly integrates with ACC software to provide you with a powerful and unified security solution that helps you proactively monitor and secure your sites while meeting the important security standards of the Federal Government.

Avigilon Access Control Manager is also FIPS 140-2 compliant to ensure all critical system components, including readers, sub-panels, controllers, server appliances and the client browser meet requirements for data encryption.
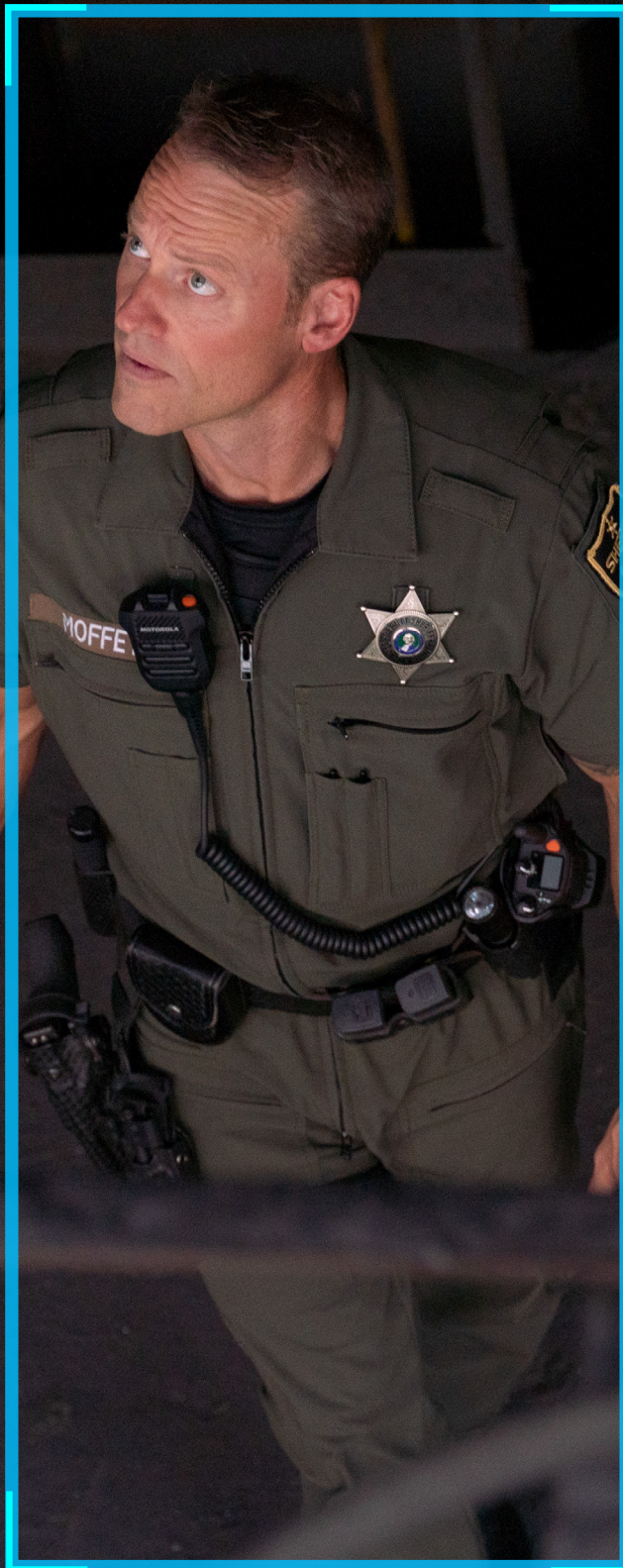
THE AVIGILON ADVANTAGE

FIPS COMPLIANT ACROSS A SINGLE FIXED VIDEO AND PHYSICAL SECURITY PLATFORM

Avigilon supports Federal compliant NIST encryption, allowing Federal Government agencies to leverage a new generation of video security solutions that are far more modernized to increase situational awareness and speed response times. Our FIPS 140-2 compliant video security solution is equipped with cyber secure methods for encryption, cyber vulnerability and compliances to US Federal standards. Our FIPS 201-2 compliant access control solution is certified and approved for government and federal agency use in PIV credentialing and PACS.

INNOVATION AND INTELLIGENCE

The most advanced technology that embodies the innovation and evolutionary advancements in artificial intelligence for live and recorded video, employs efficient use of bandwidth for live video streaming and leverages a modular and open-platform approach to augmentation or migration of existing systems in a flexible and cost-effective manner.

UNIFIED SOLUTION FOR VIDEO SECURITY AND ACCESS CONTROL

Unified access control and video security provide a FIPS-certified end-to-end solution that offers enhanced security for organizations. The unified solution incorporates video to help verify access control alarms, informs access control responses, and links visual and physical matches for superior situational awareness.

STRICT ADHERENCE WITH FEDERAL PROCUREMENT GUIDELINES

North American-made solutions for video security and access control. Our solutions are engineered and manufactured in the US and Canada (North America) or in a TAA-designated country. Our servers and workstations use Dell Federal supply chain supported by Dell Federal FAR contractual commitments.

STABILITY AND TRUSTED BUSINESS PARTNER

Motorola Solutions is an organization that, over the course of 90 years, has become the leading provider of mission-critical communications and video surveillance solutions for public safety and commercial customers. As a trusted business partner and adviser to first responders and businesses around the world, we have a strong legacy of stability and commitment to innovation that makes us an ideal partner for government agencies and large commercial enterprises to confidently partner with.
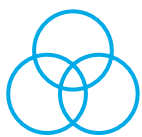
LEVERAGE THE MOTOROLA ECOSYSTEM

Avigilon Control Center integrates with APX P25 two-way radios so users can receive and respond to video security alarms from their APX radio systems. Alarms resulting from Avigilon analytics, access control and license plate recognition watchlist match events are automatically pushed to Motorola radios in the form of text messages and/or text-to-voice alerts. Security personnel can acknowledge alarms directly from their radios and quickly investigate without needing to continuously monitor activity on a computer screen.

To get started on implementing Avigilon within your agency, contact your local
Avigilon Sales Representative, Avigilon Partner or visit www.motorolasolutions.com/federal-video

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