



MOTOROLA SOLUTIONS AERIAL SUITE

SECURE DRONE INTELLIGENCE PLATFORM FOR PUBLIC SAFETY

DRONES AS FIRST RESPONDERS

Public Safety agencies like yours are starting to incorporate drones into their standard operating procedures to keep the public and officers safe. They play an important role in your criminal investigations. Drones can evaluate crime and accident scenes, search for missing persons, evaluate damage from storms, provide a view into dangerous situations, and help protect first responders and our communities. According to a consumer survey, 71% of citizens say they support law enforcement's use of drones and 62% said they would feel safer if their first responders used drones to protect their communities¹.

UNMANNED AERIAL EXPECTATIONS

But there are challenges with many of the drone programs deployed today. With the average large city creating 10,000 hours of video a week³, managing data is critical. Operations are often reactionary with drones managed by individual advocates and deployed midway through an incident. Unmanned aerial programs also lack the same level of cybersecurity protection; standard in other law enforcement mission-critical operations. And standalone back-end functions are often not managed by credentialed individuals or integrated into pre and post investigational analysis and workflows.

When asked, 75% of Law Enforcement personnel surveyed said deploying video and analytic software is critical². Since first on-scene, real-time, secure video is one of the more powerful tools to protect your first responders and communities, how should your expectations for your drone program evolve?

SHORTEN RESPONSE TIME BY 2/3s

Are you looking for ways to decrease your response time and gather intelligence before an officer arrives on scene? Imagine a 9-1-1 call comes in. As your dispatcher sends an officer to the scene it can take time based on available streets and traffic. If, at the same time, a drone is deployed by your dispatch operator, almost immediately it can respond and start delivering real-time tactical knowledge previously unavailable to first responders and dispatchers. It is estimated that using drones to assist law enforcement personnel can reduce response times by more than 2/3s⁴.

71%

of citizens say they support law enforcement's use of drones¹

75%

say that deploying video and analytics software is critical²



VIDEO INTELLIGENCE INTEGRATED, INSTANTLY CONNECTED

Motorola Solutions Aerial Suite is a subscription-based service that brings mission-critical operations to your drone program. We can enable aerial telepresence for real-time, high definition video streaming. Provide remote drone operations at your command center. Simplify drone controls through a web portal on a laptop. Equip your team with drone features like autonomous obstacle avoidance, geofencing and more. Plus, our near-term vision includes end-to-end integration of drone aerial operations to our CommandCentral public safety software suite, providing aggregated and integrated workflows, in-depth real-time intelligence, secure data analytics and management, and seamless situational awareness.

REMOTE DEPLOYMENT, OPERATIONS

- Manage your drone fleet, control video feeds and view alerts directly within your public safety operations center.
- Transform your video and data into real-time intelligence, share immediately and improve workflows across your organization.

BIG DATA UNIFICATION

- Unify your drone video with public safety data - using our CommandCentral public safety software suite - to enhance AI performance and extract insights.
- Transform your video and data into real-time intelligence, share immediately and improve workflows across your organization.

VIDEO SOLUTIONS PLATFORM

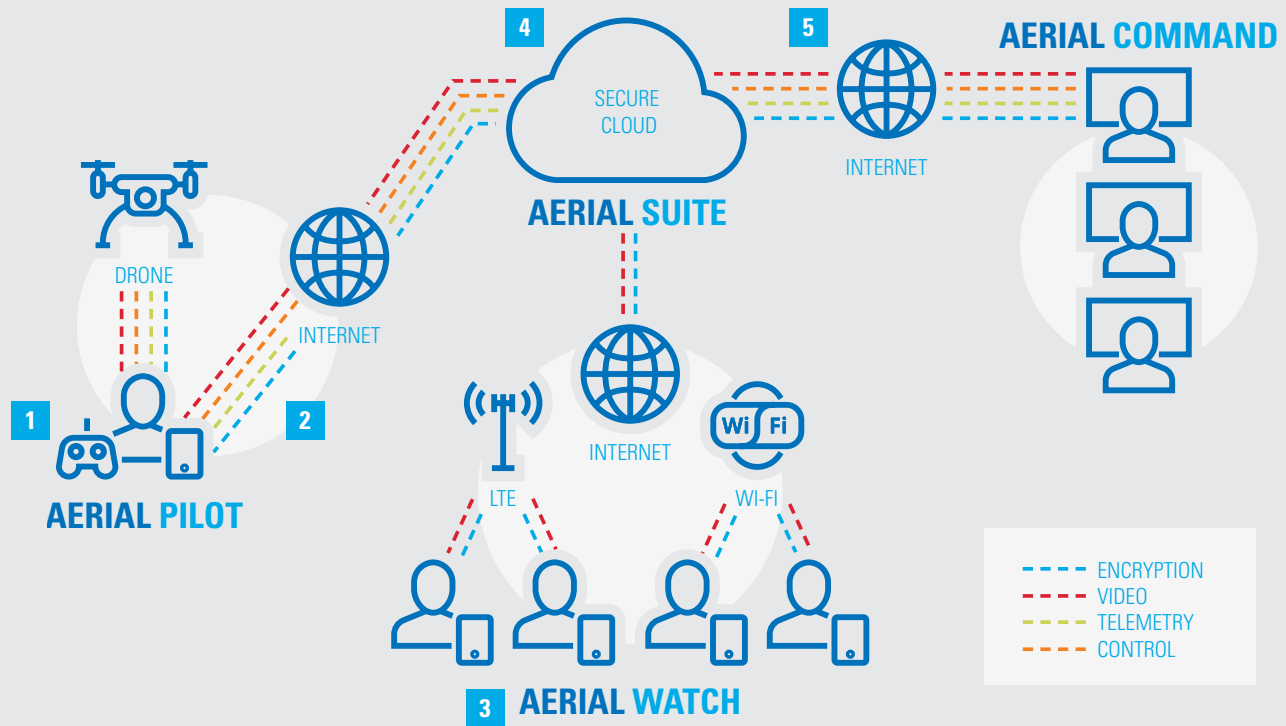
- Further expand the reach of our video solutions platform that includes mobile and fixed cameras.
- Instantly select and mobilize live video streams to your operators, field commanders and response teams.

TRUSTED AND SECURE

- Employ a trusted, secured technology stack to protect your organization's critical information and guard against a cyber breach.*
- Shield your sensitive operations and collected video evidence with end-to-end security and compliance management.*



AERIAL ARCHITECTURE



1 INITIALIZE

Dispatch a field operative on-site with a drone and iPad. Using the Aerial Pilot app, create a geofence, turn on the drone and verify preflight checklist.

2 CONNECT, FLY

The remote operator initiates drone flight and is able to effectively control the drone using Aerial Pilot, our simple and intuitive interface.

3 WATCH, STREAM

Livestream to interested parties using Aerial Watch. Real-time video is viewable from both the computer and mobile devices.

4 MANAGE DATA, USERS & DRONES

Data is stored on a private portal to ensure security and streamline access. The portal provides the tools to create, archive and manage video.

5 ALWAYS SECURE

Our Aerial Suite provides secure portal access for you, your team and your operations. Authorize member access, administer privileges and provide encrypted streams to enable your team with a secure and safe operation.

AERIAL PILOT

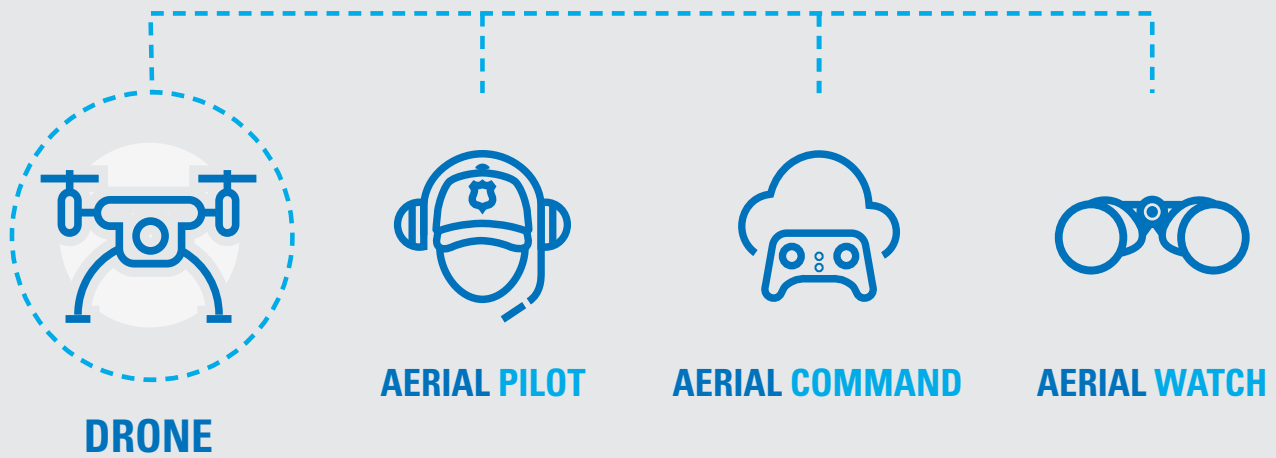
Initialize operations, fly and control your drone fleet with Aerial Pilot, a smartphone / tablet client for iOS. The client securely connects the drone to Aerial Command to provide local control, safety and visibility for your drone operations.

AERIAL WATCH – REAL-TIME STREAMING

Perform real-time streaming with Aerial Watch, a smartphone / tablet client of iOS and Android. Securely view live video streams, receive alerts regarding missions and view drone location updates with Aerial Watch.

AERIAL COMMAND

Perform secure management of your evidentiary data with Aerial Command, a web-based client with full command center capabilities for drone operations. With Aerial Command you can remotely operate any drone, view live streams and run custom reports. And you can connect to our CommandCentral software suite in the future for an integrated, records and evidence management operation.



REDUCE RISK, INCREASE SAFETY WITH REAL-TIME INFORMATION

Are your officers concerned for their safety when serving a warrant? By deploying a drone to the scene pre-incident, advanced knowledge of the situation is available giving your officers better control of the response. As your officers approach the scene, a remote operator in the command center can take control of the drone, watch the incident unfold, provide real-time support to protect officer safety and document the incident for evidence. If, for example, the suspect tries to flee the scene the drone, avoiding any obstacles, can immediately follow. With real-time situational awareness available the remote operator can relay tactical instructions to the field officer, dispatch additional help and support the quick apprehension of the suspect.

SECURE DRONES, BASED ON YOUR NEEDS

Aerial Suite is drone agnostic, which gives you the flexibility to select the drone that best fits your agency's needs. Our solution looks to support all top-tier drone models to offer such capabilities as high quality video and photography, collision avoidance and longer flight times.

Drone capabilities can include:

- Semi-autonomous obstacle avoidance to eliminate pilot error
- Flexible, live stream to any iOS or Android® device
- High definition omni-directional sensing using 6X, 4K navigation cameras
- Geo-fencing and built-in return to home on low battery or communication loss
- State-of-the-art advanced collision avoidance
- AI-based obstacle avoidance
- GPS flight and object detection (people, vehicles, buildings)
- Person and vehicle detection



INNOVATION CREATES A FORCE MULTIPLIER

Motorola Solutions is a global leader in mission-critical communications. Our CommandCentral public safety software suite, video security capabilities, communication systems, and managed and support services are designed to support your public safety operations – keeping officers safe and allowing your communities and businesses to thrive.

As a subscription-based service, the secure end-to-end, Motorola Solutions Aerial Suite provides your organization with real-time workflow integration, enhanced remote collaboration and intelligence, automated operations, and an ecosystem of secure, best-in-class drone software and hardware. We offer:

- A process approach to security, adhering to the National Institute of Standards and Technology (NIST) Cybersecurity Framework
- A deep understanding of public safety workflows and how to best integrate our Aerial Suite
- Secure integration into your command center analysis, storage and records*

We are committed to working together with your organization to usher in a new era in advanced policing and officer safety.

References:

1. www.cape.com/blog/2019/1/31/cape-and-the-chula-vista-police-department-see-early-success-after-deploying-drones
2. 2018 MOTOROLA SOLUTIONS LAW ENFORCEMENT SURVEY REPORT
3. www.policeone.com/police-products/Video-Storage/articles/374878006-Digital-evidence-in-the-video-age-Vendors-views-on-the-big-issues/
4. <https://www.cape.com/product>

*Features available soon.

For more information on Motorola Solutions Aerial Suite, speak to your Motorola Solutions representative or visit: motorolasolutions.com/aerialsuite



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