



**Elevate Real Time
Operations**



AXON Elevate Real Time Operations User Guide

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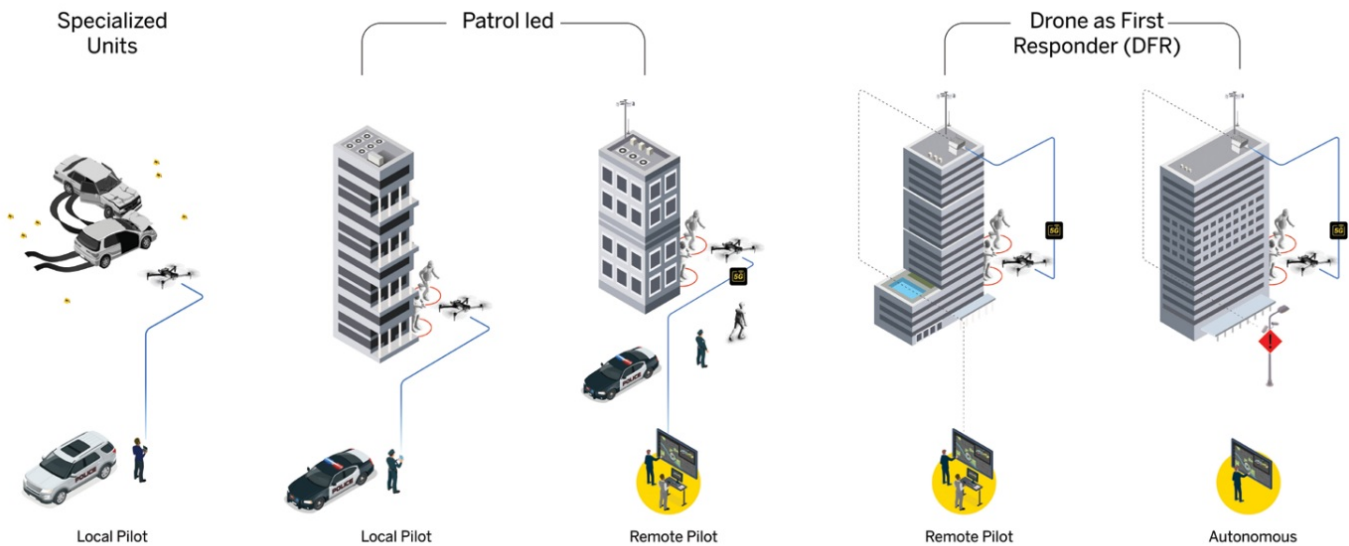
AXON Elevate Real Time Operations



ELEVATE REAL-TIME OPERATIONS

NEXT-GEN DRONE AS FIRST RESPONDER (DFR) SOLUTIONS FOR SAFER, SMARTER COMMUNITIES
Axon Air offers a comprehensive suite of hardware, software and partner integrations designed to enable agencies of all sizes to start and effectively scale drone programs, ranging from patrol-led deployment models to Drone as First Responder (DFR) programs.

Deployment Models



THE POWER OF DRONE AS FIRST RESPONDER (DFR)

DFR technology is revolutionizing emergency response, providing rapid aerial intelligence that dramatically enhances situational awareness, improves decision-making and increases safety for both first responders and the communities they serve.

This innovative approach enables swift deployment of drones to incident scenes, often arriving before ground units, offering real-time insights that optimize resource allocation and significantly boost the efficiency and effectiveness of public safety operations.

BENEFITS

FASTER RESPONSE TIMES

Accelerate emergency response by deploying drones immediately upon receiving a 911 call, ensuring rapid arrival at scenes and timely information gathering.

- [AXON.COM](https://www.axon.com)

ENHANCED SITUATIONAL AWARENESS

Obtain real-time aerial intelligence and live streaming, allowing comprehensive assessment of emergency scenes, often before ground units arrive.

OPTIMIZED OPERATIONAL EFFICIENCY

Improve response effectiveness by deploying drones to gather crucial information before dispatching ground resources, optimizing resource use and decision-making.

DECREASE CALL VOLUME

Agencies report that drones arriving first on scene can reduce in-field call volume. Drones provide essential situational awareness, determining in 20-30% of cases that an officer is not needed.

STREAMLINED RESOURCE ALLOCATION

Utilize actionable intelligence to prioritize and deploy personnel and equipment efficiently, ensuring optimal resource planning and avoiding over- or under-deployment.

IMPROVED SAFETY FOR FIRST RESPONDERS AND CIVILIANS

Enhance safety by providing real-time visibility and critical information that supports informed decision-making and reduces the need for immediate human intervention in hazardous situations.

BEST-IN-CLASS INTEGRATED SOLUTION

THE MOST EFFECTIVE DRONE PROGRAMS REQUIRE A COMPREHENSIVE SUITE OF INTEGRATED
HARDWARE + SOFTWARE + SERVICES

Features	Axon's Premier Offering	Market Alternative
Autonomous Launch and Land	✓	?
Integrated Evidence Management	✓	?
Live-Streaming with RTCC Integration	✓	?
Sensor-Based Airspace Awareness and Deconfliction	✓	✗
Comprehensive Program Management and Reporting	✓	?
360-Degree Obstacle Avoidance	✓	✗
Autonomous Nighttime Operation	✓	✗
Capability to Fly Low Under Bridges and Trees	✓	✗
Regulatory Support as a Service	✓	?
Ability to Fly BVLOS Without a VO in Day, Night, and Low Visibility Conditions	✓	✗

COMPREHENSIVE SUPPORT FOR SUCCESSFUL DRONE PROGRAM IMPLEMENTATION

Axon Air, in partnership with Skydio and Dedrone offers installation, training, program guidance and regulatory compliance support to meet each agency's unique drone program needs.

- Together, this offering provides the most complete drone solution, providing leading autonomy capabilities, integrated evidence management, real-time operations, and a sensor-based solution for airspace awareness and deconfliction.

Available Components

Hardware, software and services for airspace awareness and deconfliction and unlocking Beyond Visual Line of Sight (BVLOS) operations



Skydio X10

State-of-the-art autonomous drone
purpose-built for first responders



DedroneBeyond

Integrated solution for airspace awareness,
deconfliction and BVLOS operations



Axon Evidence

Seamless drone evidence management
with unlimited cloud storage options



Axon Respond

Real-time live-streaming alongside
body-worn and in-car cameras



Fusus by Axon

Seamless integration into the
Fusus Real-Time Crime Center Platform



DroneSense

All-in-one platform for program,
mission and fleet management

Skydio On-Device and Cloud Software

NightSense

Autonomous navigation in complete darkness

3D Scan

Automated scene documentation and 3D modeling

Extend

Integrates drone data into existing workflows

Unlock the Full Potential of Drone as First Responder (DFR) Programs

- Advanced DFR Components:

Skydio Dock for X10

24/7 autonomous DFR missions with unmatched reliability

Skydio X10 Cellular Connectivity

5G LTE for enhanced range and low-latency control

Skydio Services and Support

Comprehensive training, grant support, program documentation and deployment engineering.

Skydio Regulatory Support as a Service (RSAS)

Waiver and documentation drafting, BVLOS waivers and other advanced waivers

Skydio Remote Flight Deck

Browser-based launch and control of remote flight operations

MAXIMIZING ROI: THE AXON AIR ADVANTAGE

Axon, Skydio and Dedrone provide unmatched experience, superior technology and comprehensive support, making us the trusted leaders in public safety drone technology.

COMPREHENSIVE INTEGRATION

Seamless integration with Axon Evidence, Axon Respond, Fusus by Axon, DroneSense and existing agency workflows for streamlined operations.

CUTTING-EDGE TECHNOLOGY

AI-powered autonomy, including NightSense for navigation in total darkness and industry-leading visual and thermal cameras.

UNLOCKING INSIGHTS

Skydio offers comprehensive data analytics services:

Call for Service Analysis

Optimizes drone and dock allocation based on agency data to meet response time objectives.

ROI Analysis

Assesses the financial impact of DFR on operations and provides data-driven comparisons of program impact to spending.

ADVANCED TRAINING SUPPORT

Tailored programs covering installation, training, and guidance to reduce the learning curve and enhance operational readiness.

REGULATORY COMPLIANCE

Expert assistance with FAA regulations, BVLOS waivers, and other advanced waivers for secure and compliant operations.

ENHANCED DFR CAPABILITIES

DedroneBeyond enables BVLOS operations, eliminating the need for visual observers and significantly expanding the operational range. Investing in Axon Air ensures a reliable, efficient, and cost-effective solution for enhancing public safety operations, delivering substantial ROI through improved capabilities, resource management, and safety outcomes.

REVOLUTIONIZING PUBLIC SAFETY WITH FUSES BY AXON

Fusus by Axon revolutionizes public safety operations by integrating real-time data from various sources, including Axon hardware and software products, Skydio drones, and DedroneBeyond, into a single pane of glass. Our comprehensive solution enhances situational awareness, improves response effectiveness, and optimizes resource allocation for law enforcement agencies.

UNIFIED COMMAND CENTER

Integrates live streams from multiple sources, including DFR drones, community cameras, BWCs, CAD systems, and other data sources into a single, intuitive interface.

RESOURCE OPTIMIZATION

Centralizes data from drones and other sources, helping agencies efficiently allocate resources, leading to a 20-30% reduction in unnecessary ground patrols.

INTER-AGENCY COLLABORATION

Facilitates seamless communication and coordination among various agencies through its unified interface, particularly valuable during large-scale emergencies or multi-agency operations.

IMPROVED RESPONSE EFFECTIVENESS

Combines drone footage with other real-time data, enabling faster and more informed responses to emergencies. Agencies can make critical decisions based on up-to-the-minute information.

ENHANCED SAFETY

Provides real-time visibility and critical information without putting officers at immediate risk, allowing for informed decision-making in potentially hazardous situations.

TECHNOLOGY AGNOSTIC INTEGRATION

Designed to work with existing equipment and can integrate with any data source, including public and private video feeds, ALPR systems, body-worn cameras and drone feeds.



CUTTING-EDGE DRONE HARDWARE

SKYDIO X10

The Skydio X10 is a state-of-the-art aircraft designed specifically for first responders. It delivers actionable intelligence, empowering informed decision-making and effective emergency response.

KEY FEATURES

SUPPORT FOR DFR OPERATIONS

Includes Skydio Remote Flight Deck for seamless integration into DFR programs.

AI-POWERED AUTONOMY

Supports night, indoor, autonomous and remote operations, ensuring versatility in various environments.

ROBUST CONNECTIVITY OPTIONS

Features Skydio Connect for low-latency control and 5G for enhanced range.

ADVANCED SENSORS

Equipped with narrow and telephoto lenses and a FLIR Boson+ thermal sensor for comprehensive situational awareness.

TECHNICAL SPECS

Flight Time

- Up to 40 minutes

Range

- Up to 12km / 7.5mi

Color Camera

- Narrow: 64 MP, f/1.8, 4k/60fps
- Telephoto: 48 MP, f/2.2, 4k/60fps

Thermal Camera

- 640x512px radiometric FLIR Boson+



DEDRONEBEYOND FOR EXPANDED BVLOS OPERATIONS

DedroneBeyond revolutionizes public safety by enabling agencies to scale their DFR programs beyond current limitations. This groundbreaking solution eliminates the need for human visual observers, unlocking true BVLOS operations.

BEYOND VISUAL LINE-OF-SIGHT OPERATIONS

Enables BVLOS operations, removing the need for visual observers.

ADVANCED SENSORS AND AI

Provides continuous airspace situational awareness with AI-driven analytics.

SAFETY AND EFFICIENCY

Safely deconflicts both cooperative and uncooperative crewed and uncrewed aircraft.

ALL-WEATHER AND LOW-LIGHT CAPABILITY

Ensures operational continuity in diverse environmental conditions, including adverse weather and challenging lighting scenarios.

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Ensures operational continuity in diverse environmental conditions, including adverse weather and challenging lighting scenarios. With the most extensive public safety drone and DFR expertise in the industry, we are ready to help your agency elevate its program to the next level. For more information, visit axon.com/air or contact your dedicated Axon Air Account Representative to learn how Axon and Skydio can revolutionize your public safety operations.

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Documents / Resources

	<p>AXON Elevate Real Time Operations [pdf] User Guide</p> <p>Elevate Real Time Operations, Real Time Operations, Time Operations, Operations</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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