ANNUAL SURVEILLANCE TECHNOLOGY USE REPORT

2024

This report was completed by the Detroit Fire Department in accordance with requirements outlined under Chapter 17, Article V of the Detroit City Code.

OVERVIEW

The Detroit Fire Department (DFD) is committed to operating with full transparency and the utmost respect for the citizens and governing authorities of the City of Detroit. The intent of this report is to satisfy the requirements set forth in ordinance 2021-17, Chapter 17, Article V, section 17-5-455 of the Detroit City Code.
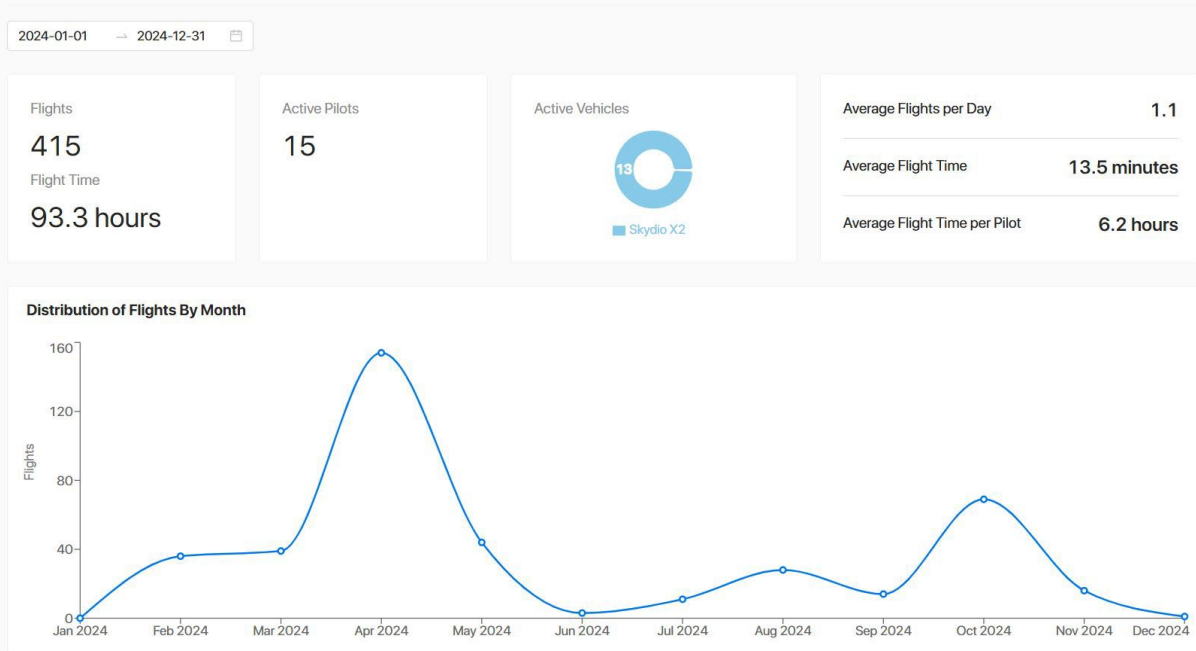
BREAKDOWN

Data Collection:

To date, the DFD owns fourteen (14) Skydio X2E drones that classify as surveillance technology under the current Detroit City Code. During calendar year 2024, all data collected using this technology was recorded directly to a secure digital (SD) Card housed in the drone. This captured video data was, later uploaded to a secure OneDrive for archiving and restricted access for DFD personnel.

The total usage number for DFD surveillance technology:

During calendar year 2024, the DFD deployed Skydio X2E drones four hundred fifteen (415) times within City of Detroit boundaries.

Details on individual flights are stored on the DFD Transparency Dashboard: https://cloud.skydio.com/dashboard/detroitfiredrones

External entities with whom DFD shared surveillance data from the surveillance technology:
During calendar year 2024, the DFD shared no drone recorded video footage with external entities.

The names of the external entities from whom the DFD acquired surveillance data:
During calendar year 2024, the DFD acquired no data from external entities.

In the case of social media monitoring only, list the number of days surveillance technology was used to monitor internet activity as well as the number of specifically targeted people who were monitored:

During calendar year 2024, the DFD did not use surveillance technology to monitor internet activity or directly target individuals for monitoring.

A summary of complaints or concerns received about the surveillance technology:
During calendar year 2024, there were zero (0) complaints filed or received about fire department drone use.

The results of any internal audits, any information about violations of the applicable Surveillance Technology Specification Reports, and any actions taken in response:
During calendar year 2024, the DFD performed an internal audit and identified zero (0) violations of the Surveillance Technology Specification Report.

Total annual costs for the surveillance technology, including personnel and other ongoing costs, and the sources of funding for the technology in the next fiscal year:
During fiscal year 2024, DFD incurred $46,384.00 in fees for the following services:

Product Code	Product Name	List Unit Price	Term (Months)	Quantity	Net Unit Price	Total (USD)
SKYSAESW123	Skydio Autonomy Enterprise for X2E	$1,999.00	12	14	$1,999.00	$27,986.00
SKY3DSSW131	Skydio 3D Scan for X2E	$4,199.00	12	2	$4,199.00	$8,398.00
					TOTAL:	$36,384.00

Product Code	Product Name	List Unit Price	Term (Months)	Quantity	Net Unit Price	Total (USD)
SKYPROGDOCPS	Program Documentation - Public Safety	$20,000.00		1	$10,000.00	$10,000.00

- Skydio Autonomy Enterprise for X2E – includes advanced autonomy functionality and software maintenance and customer support.

- **Skydio 3D Scan for X2E** – digital scan software for inspections of complex Structures. Includes unlimited 3D capture photos per year, unlimited 2D capture photos (orthomosaic), and Software maintenance and customer support.
- **Program Documentation –** Program Documentation Service for public safety agencies implementing drone operations. Package includes templates for General Operating Manual, Training Program, and Safety Manual as well as support to acquire a basic COA, jurisdictional COA (if needed), and tactical BVLOS COAs (up to 20 hours).

For fiscal year 2025, anticipated annual costs of **$36,384.00** will cover fleet management software and performance enhancement software for the current fleet of Skydio X2E drones.

This software is vital to the functionality of the drones and maximizes their value by providing the following services:

- **Intelligent Flight Planning** – Facilitates automated flight paths and mission planning based on specific objectives and environmental factors.
- **Real-Time Data Processing** – Processes and analyzes data captured during flights in real-time, allowing users to make informed decisions quickly.
- **Collaboration Tools** – Provides features for team collaboration, enabling multiple users to access and share insights from drone data.
- **Data Storage and Management** – Secure cloud storage for large datasets collected during flights, ensuring easy access and organization.
- **Automated Reporting** – Generates reports automatically from the collected data, streamlining the documentation process for users.
- **Integration with Third-Party Applications** – Supports integration with other software tools and platforms, enhancing the overall functionality of drone operations.
- **User-Friendly Interface** – Features an intuitive interface that simplifies the management and analysis of drone data.
- **Maintenance and Support** – Provides tools for monitoring drone health and performance, as well as support resources for troubleshooting and assistance.
- **Compliance and Security** – Ensures data security and compliance with regulations, protecting user information and maintaining privacy standards.
- **3D Scan Capability** - Create precise high-resolution digital twins and 3D models to provide accurate and efficient aerial data for inspections, surveying, and documentation.

Funding for drone hardware and software will come from the DFD System Support Budget.

Misuse of the technology during the reporting period:
There were no reports of misuse of DFD drones during calendar year 2024.

SUMMARY

During Calendar Year 2024:

➤ The DFD owns fourteen (14) Skydio X2E drones, which are the equipment items that classify as surveillance technology under the current Detroit City Code.

➤ The DFD deployed Skydio X2E drones four hundred fifteen (415) times within City of Detroit boundaries.

➤ DFD shared no drone recorded video footage with external entities.

➤ DFD acquired no data from external entities.

➤ DFD did not use surveillance technology to monitor internet activity or directly target individuals for monitoring.

➤ There were zero (0) complaints filed or received about fire department drone use.

➤ DFD performed an internal audit and identified zero (0) violations of the Surveillance Technology Specification Report.

➤ DFD incurred $46,384.00 in fees for fiscal year 2024 with $36,384.00 anticipated for fiscal year 2025. Funding to come from the DFD System Support Budget.

➤ No reports of misuse of DFD drones during calendar year 2024.

Please direct any questions concerning this report to:

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