



HAMILTON POLICE SERVICE

# In-Car Video Recording Technology Report





# In-Car Video Recording Technology Report



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# Program History



- Since 2014, the Hamilton the Hamilton Police Service (HPS) has reviewed the state of body-worn camera technology and its viability within the Service.
- These reviews not only discussed the state of deployment of BCC technology in Canada, but also the complexity of BCC technology regarding its impact on individual Police Services, and their relationships with the community.
- Due to the cost associated with BWC systems, the HPS also investigated whether In-Car Camera (ICC) technology could be considered for deployment within the Service as a more cost-effective way of providing transparency to the community and gathering evidence by Officers.



# Program History



- In March 2022, information was received that the Ministry of the Solicitor General was accepting applications for a grant to pay for Automated License Plate Reader (ALPR) systems. This grant would also allow for the purchase of integrated systems that included ICC technology.
- The HPS was successful in their application to this grant, receiving \$1.6 million dollars in a one-time payment. This allowed the Service to acquire 78 Axon Fleet 3 In-Car Camera and Automated License Plate Reader (ICC/ALPR) systems over a five year contract.
- In April 2023, the HPS began deploying Axon's Fleet 3 ICC/ALPR technology to 10 cruisers within its fleet.
- As of October 2023, a total of 78 uniform patrol vehicles have been outfitted with the Fleet 3 system, which is deployed between Uniform Patrol Divisions and the Traffic Safety Unit.



# Axon Fleet 3



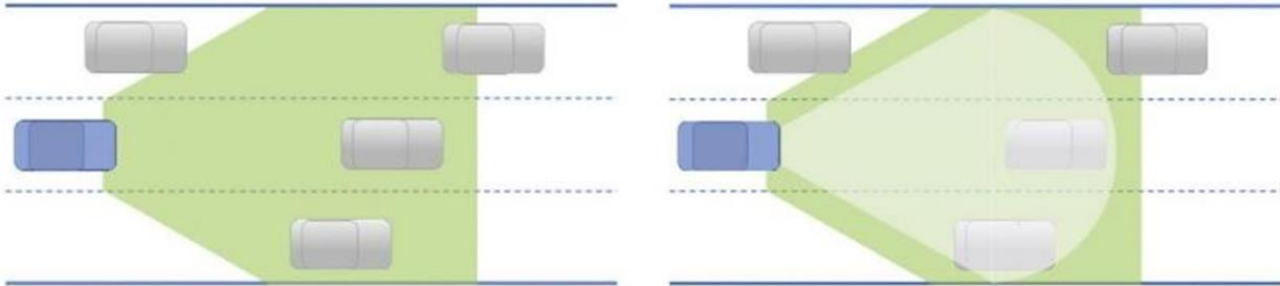
- In-Car Camera with integrated Automated License Plate Recognition
- 1080p & 4k front facing cameras
- Rear seat IR camera
- Customizable triggers
- Live stream capability
- Wireless microphone
- Integrated with DEMS



# ALPR



- Scans 3 lanes in front @ 50 feet ahead with a 60 degree field of view.
- Is not 'running' plates, but comparing text from plates with information on the uploaded hot list, which is sourced from CPIC, PARIS and internally.
- Officers are notified of hits and will then need to confirm and act accordingly.





# Advantages of Axon Fleet 3



- Collection of video in front of cruiser and internally while transporting prisoners.
- Ability to live stream active incidents to Command for public and officer safety.
- ALPR system brings vehicles of interest to the officer's attention automatically.
- ICC/ALPR technology gives the HPS the ability to examine processes and staffing for video technology systems in the future (ie. BWC).



# Impact of Axon Fleet 3



- Deployment of Axon Fleet 3 systems required upgrading of infrastructure at the three Patrol Divisions.
- HPS hired two full-time Civilian Digital Evidence Management positions to address preparation and disclosure of evidence to various groups.
- HPS sits on a Provincial working-group for ICC/ALPR technology, recommending processes in hopes of moving towards provincial standards.





# Statistics



## Total Uploads

Number of Videos	9,257.00
Hours of Video	2,319.44
Size of Video in GB	3,746.35

## Average per Day

Number of Videos Uploaded	50.30
Hours of Video Uploaded	12.60
Size of Videos Uploaded in GB	20.36



# Statistics



## Hamilton Police Service

### ALPR Policy and Usage

Last Updated: Mon Nov 06 2023

#### Overview


Hamilton Police Service uses Axon Automatic License Plate Reader (ALPR) technology to capture objective evidence without compromising individual privacy. We utilize real-time alerting in patrol vehicles to arrest wanted criminals, recover stolen vehicles and locate missing persons that are on various hotlists. We also retain vehicle and plate images for a period of time to perform searches when investigating reported crimes. All of this data is secure, not sold to 3rd parties, and only used for law enforcement purposes by authorized personnel. This page shows our ALPR policies and usage statistics so that you may understand how this technology is used to help keep your community safer.


#### ALPR Terms

**Hotlist** A list of known license plates and vehicles of interest, which are stolen, wanted for or potentially associated with unlawful activity or missing persons.

**Read Record** A record of a plate that was read that was not associated with any hotlist at the time it was captured.

**Hit Record** A record of a plate that was read that matched a plate number on a hotlist and generated an alert.

 What is detected

 What is not detected



# Body-Worn Camera Review



- No new academic research of note regarding police and community interactions with BWC technology.
- Estimation of deployment for BWC technology in Hamilton is \$4.5 to \$5.5 million over five years.
- This does not include infrastructure or staffing impacts.



# Moving Forward



- HPS will continue to review the ICC/ALPR program for the following:
  - Continuation of program post 5-year contract.
  - Possible expansion of ICC/ALPR program.
  - Possible expansion to other technology such as BWC.
  - Impact on capital budget and identifying other funding streams.



Thank you