



flock safety

Leverage the future of policing, *now*



What is this technology, and how does it work?



flock safety

Flock System:

objective, real-time and investigative leads

- Solar Powered High Definition Cameras
- Self Heated & Built to Last in Cold Environments
- Activated by Motion from a Vehicle
- Does Not Capture People / No Facial Recognition
- Provides a Data Analytics Platform



Plate
TX LGS2639



Last Visit
3:15 PM EDT



Make
Toyota



Seen
3 OF 30 DAYS



Color
Gray

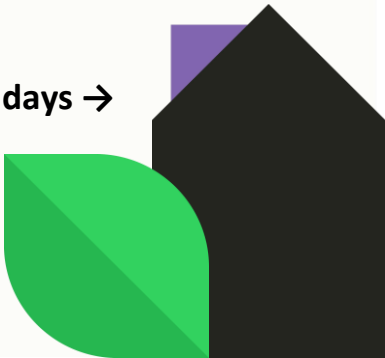




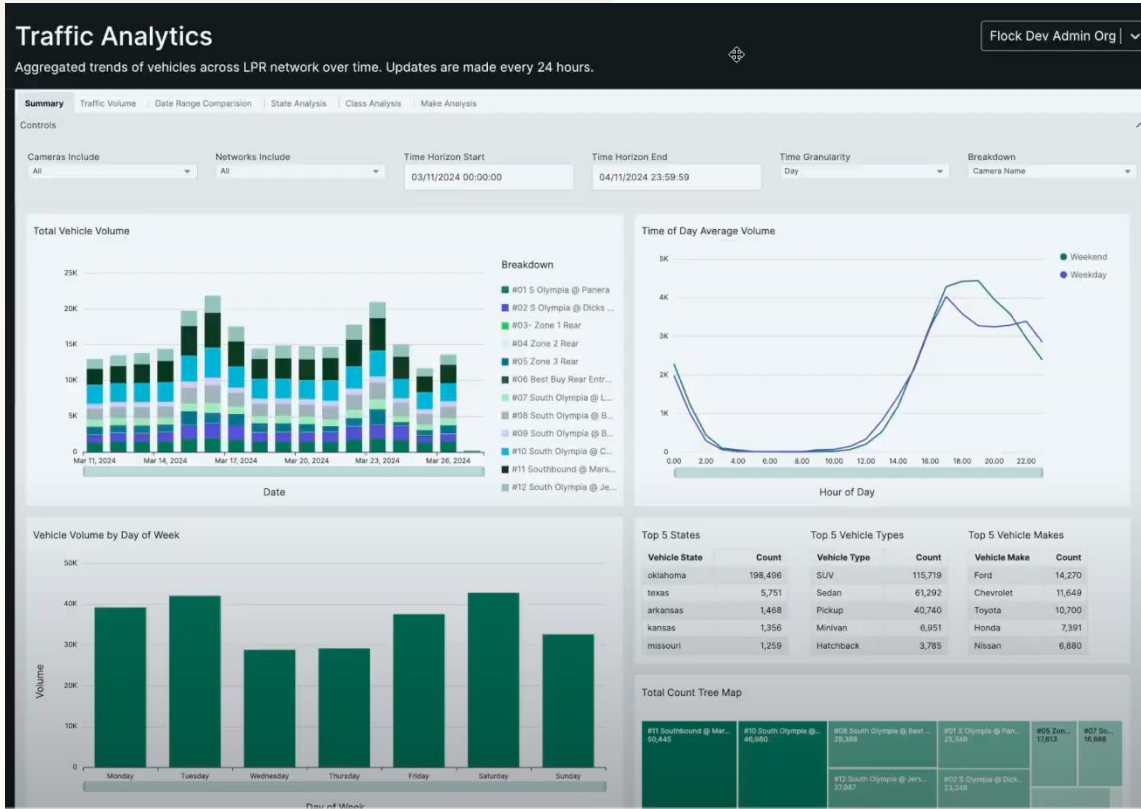
What is this tech?

- License plate recognition
- Gathers objective evidence and facts about vehicles, not people
- Alerts police of wanted vehicles
- Used to solve crime
- Adheres to all state laws

What ISN'T this tech?

- Not facial recognition
 - **Not tied to PII**
 - Not used for automated traffic enforcement
 - Not used for immigration enforcement
 - **Data not stored beyond 30 days → automatically deletes**
- 

Access traffic volume related insights and health of system in Real-Time



Why Automated License Plate Readers (ALPR)?



Emergency Management Challenges

- **Lack of Reliable Population Data for Effective Emergency Planning**
 - Wildfire Evacuations
 - Major Storm Incidents
 - Traffic / Gridlock Planning
 - Snow Removal Planning
 - Traffic Safety Planning

ALPR Assisted Solutions

- **More Accurate Population Data obtained from # of Vehicles Traveling on our Roadways**
- **Ability to Determine Peak Population Periods with Accuracy**
- **Usable Data for Traffic Modeling & Prediction**

Law Enforcement Challenges

- **Rising Property Crimes**
- **Detection of Alert Vehicles Currently Dependent on Direct Observation**
- **Officer Count vs. Large Patrol Coverage Areas**
- **Reliability of eye witness information**

ALPR Assisted Solutions

- **Provides Real Time Alerts to Officers in the Field on Vehicles Associated with AMBER Alerts, SILVER & YELLOW Alerts, Missing Persons, Vehicle Thefts and other Felony Crimes.**
- **Serves as a force Multiplier for our Officers in the Field to Detect Criminal Activity and Protect Life**
- **Accurate, objective information**

How does this technology prevent crime?

Proactive: Real Time Alerts when Stolen or Wanted Vehicles Enter Town

- AMBER Alerts
- YELLOW Alerts
- SILVER Alerts
- Missing Persons
- Stolen Vehicles
- Felony Crime Vehicles

Investigative: As Case Clearance Rates Increase, Crime Rates Decrease

Repeat Offenders Disproportionately Impact Crime Statistics



Technology as a Crime Deterrent

THE UNION

Wednesday, November 30, 2022

FOUNDED IN 1864 TO PRESERVE THE UNION ... ONE AND INSEPARABLE



Grass Valley Police Officers photograph stolen items found inside of white mini van that had been reported stolen out of Chico during May of this year, and pulled over along Dorsey Drive. According to Grass Valley Police Chief Alex Gammelard, this vehicle was pulled over due to the Automated License Plate Reader technology approved by the Grass Valley City Council.

**A message to criminals
to stay away from here**

Cameras and data systems around Grass Valley prevent crime

Data showed that since the implementation of FLOCK, 36 stolen vehicles recovered, 26 of which were stolen outside of the county and showed up in Grass Valley.

The ALPR's aided in the apprehension of individuals associated with an organized crime group that were placing tiny cameras on local bank ATM's, a crime called "card skimming," Gammelard said.

A local shooting/kidnapping suspect was apprehended and two vehicles related to homicides that occurred in outside agencies were tracked using the technology.

In May/June of 2022 Grass Valley and Nevada City Police Department were experiencing a high level of reports for stolen catalytic converters. Police were able to locate individuals tied to organized crime outside of the state and overseas, Gammelard reported.

Council member Bob Branstrom commented on how this technology can change the reputation of a small town like Grass Valley and discourage people from the outside "who think they can come here and commit crimes." Not only does the Flock system help solve cases, but it is a preventative solution, he said.

FlockOS® Advanced Analytics Program

- **Actionable Insights:** Leverage real-time traffic data to strategically deploy your resources
- **Enhanced Safety:** Quickly gather data on vehicle traffic during emergency situations
- **Data-Driven Collaboration:** Exchange vital traffic information securely across public safety and transportation agencies in real-time.
- **Optimized Budgeting:** Justify your budget needs with data-driven reports and dashboards.
- **Advanced Vehicle Recognition:** Vehicle Fingerprint® technology for precise identification and analysis beyond just vehicle counts or license plates, including
 - State, Vehicle Make, Vehicle Body Type
- **Does Not Share Personal Identifiable Information (PII)**





Flock Safety Gunshot Detection - Raven

- Gunshot detection technology to quickly alert dispatch of shots fired and the location of the gunshots
- Initial Raven alert <60 seconds, compared to 5-10 minutes in average time to dispatch from 911 call
- Integrates with existing Flock ALPR's
- One Raven device can cover up to 1-square mile radius
- 90% accuracy rating – within 90 feet
- Protect schools, hospitals, major gathering areas
- Firework detection – same accuracy

Privacy Focus & User Auditing


"The Mammoth Lakes Police Department's mission is to provide quality law enforcement services while building partnerships to prevent crime, maintain public trust and enhance the quality of life throughout town."

- MLPD Mission Statement



Protecting Privacy

- **Data owned by the Mammoth Lakes Police Department will never be sold or shared by Flock**
- 30 day data retention, then deleted
- Short retention period ensures that all data not associated with a crime is automatically deleted & unrecoverable
- **Takes human bias out of crime-solving by detecting objective data, and detecting events that are objectively illegal (ex. Stolen vehicles)**

- **All data is stored securely in the AWS Government Cloud, and end to end AES-256 encryption of all data**
 - Search reason is required for audit trail
 - NOT facial recognition software
 - **NO PII is contained in Flock**
 - NOT used for traffic or immigration enforcement
 - Not connected to registration data or 3rd party databases (Carfax, DMV)
 - Transparency Portal
- 

Transparency + Insights

Measure ROI and promote the ethical use of public safety technology

Transparency Portal

- Customizable for each agency
- Display technology policies
- Publish usage metrics
- Share downloadable Search audits



Flock Report: Apr. 2024



Assisted in **12** Arrests!

Hits This Month:

- Stolen Plate 14
- Protection Order 13
- Wanted Person 10
- Warrants 5
- Violent Person 4
- Stolen Vehicle 1

*Note: this data corresponds to license plate "reads" that are reported as belonging to associated with the above categories by information provided by the National Crime Information Center (NCIC). All information must be verified prior to law enforcement action.

Case Assists:

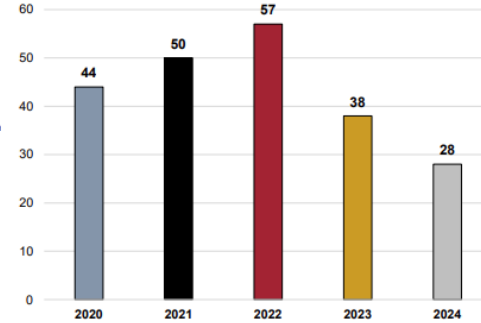
- Vehicle Theft 8
- Hit Run Collision 5
- Eluding 5
- Assault Weapon 4
- DV/DV-IPV 4
- Theft 3
- Shots Fired 2
- Burglary 2
- Wanted Person 2
- Weapon Offense 2
- Assault 1
- Robbery 1

YPD Open Data Portal for Police Transparency

Maintaining open and transparent processes that inspire public confidence in our agency. See our Crime Data/Statistics, Use of Force/Accountability Data, and explore the Crime in our Community



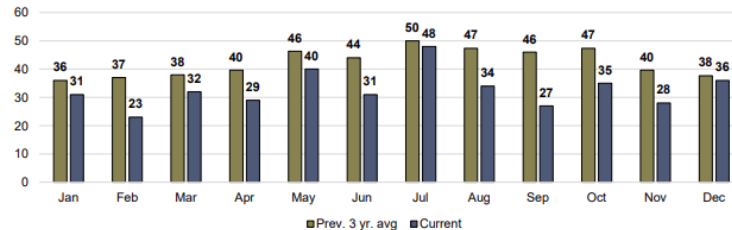
Recovered Vehicles in April by Year



Stolen Vehicle Trend (YTD)

Previous 3-Year Average :	50	24.00% Decrease
2024 (Jan-Apr) :	38	

Stolen Vehicle Trend by Month



ALPR Policy

Department Policy Serves as the Rules and Standards by which a Law Enforcement Agency Operates

Mammoth Lakes Police Department Automated License Plate Readers (ALPRs) (DRAFT POLICY)

426.1 PURPOSE AND SCOPE

The purpose of this policy is to provide guidance for the capture, storage, and use of digital data obtained through the use of Automated License Plate Reader (ALPR) technology.

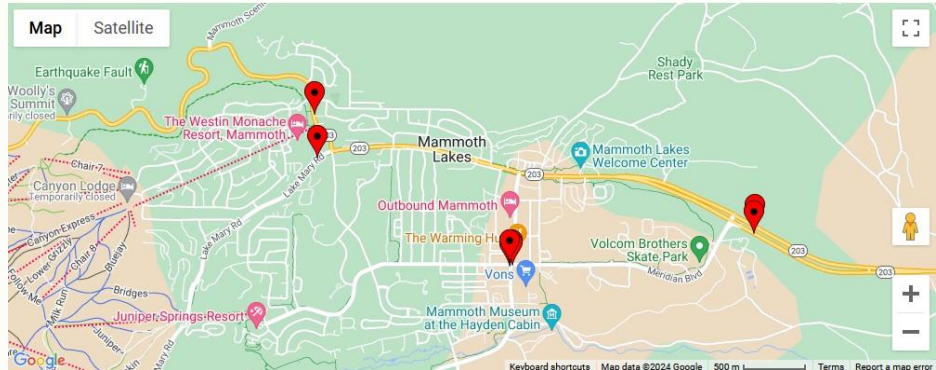
426.2 DEFINITIONS

- (a) **Automated License Plate Reader (ALPR):** A device that uses cameras and computer technology to compare digital images to lists of known information of interest.
- (b) **ALPR Operator:** Trained Department members who may utilize ALPR system/equipment. ALPR operators may be assigned to any position within the Department, and the ALPR Administrator may order the deployment of the ALPR systems for use in various efforts.
- (c) **ALPR Administrator:** The Chief of Police or the Chief's designee serves as the ALPR Administrator for the Department.
- (d) **Hot List:** A list of license plates associated with vehicles of interest compiled from one or more databases including, but not limited to, NCIC, CA DMV, Local BOLO's, etc.
- (e) **Vehicles of Interest:** Including, but not limited to vehicles which are reported as stolen; display stolen license plates or tags; vehicles linked to missing and/or wanted persons and vehicles flagged by the Department of Motor Vehicle Administration or law enforcement agencies.
- (f) **Detection:** Data obtained by an ALPR of an image (such as a license plate) within public view that was read by the device, including potential images (such as the plate and description of vehicle on which it was displayed), and information regarding the location of the ALPR system at the time of the ALPR's read.

Program Overview



- 8 Camera Locations on Local Public Thoroughfares
- Approximate Project Cost - \$25,000
- General Fund Covers all Costs
- Results after One Year will be Presented to Town Council



TOML Deployment Map

CASE STUDY *Amber Alert*



CPD



Chamblee, Georgia



Stranger on Stranger Abduction
August 28, 2020

When every second matters, Flock Safety's Machine Vision is Critical

- 12:33 PM ● Amber Alert Issued
- ⋮
- 1:01 PM ● Search Conducted with Flock Safety
- ⋮
- 2:30 PM ● Suspect Vehicle Located
- ⋮
- 5:03 PM ● Felony Stop + Arrest
- ⋮
- 6:00 PM ● Baby Reunited with Mother

Gov. Newsom touts hundreds of license plate reader cameras in Oakland

flock safety

- Gov. Gavin Newsom announced Friday that CHP has entered into an agreement with the surveillance company **Flock Safety** to install 290 cameras around surface streets in Oakland and another 190 along state highways throughout the East Bay. Flock's license plate readers, also called ALPRs, are powerful surveillance cameras that can also capture the make and model of vehicles, as well as other identifying features, to generate real-time alerts for law enforcement. A press release issued by Newsom's office indicates that CHP, Oakland police, and other "allied agencies" will be able to search for wanted vehicles using the camera system and receive real-time alerts.
- **WHAT GOVERNOR NEWSOM SAID:** "This investment marks another step forward in our commitment to bolstering public safety and tackling organized crime and roadway violence in Oakland and across California. With the installation of this of this 480 high-tech camera network, we're equipping law enforcement with the tools they need to effectively combat criminal activity and hold perpetrators accountable — building safer, safer, stronger communities for all Californians."
Source: <https://oaklandside.org/2024/03/29/governor-gavin-newsom-announces-license-plate-reader-cameras-flock-safety-oakland/>

Thank You

