flock safety

Your partner in eliminating crime

PLATE JL 2786		**LAST VISIT** 3:15 PM	
MAKE CHEVROLET		**SEEN** 3 OF LAST 30 DAYS	
COLOR WHITE		**RESIDENT?** NO	

Protecting your jurisdiction is of the utmost importance. Thank you for considering Flock Safety as part of your comprehensive strategy to protect your city, citizens, and officers. We are more than just a camera company - we are a public safety operating system that empowers private communities and law enforcement to work together to eliminate crime. We build devices that detect and capture objective evidence, machine learning that uncovers investigative leads, and real-time alerts that prepare officers to be effective in the field.

What makes Flock Safety's technology different

PUBLIC & PRIVATE PARTNERSHIPS

Thousands of communities use privately funded Flock Safety cameras throughout the country, which provides a huge benefit to local law enforcement as they can have access to those cameras without having to pay for them.

VEHICLE FINGERPRINT™ TECHNOLOGY

Capture far more than just license plates. Allow your investigators to search footage by vehicle type, make, and color; identify the state of a license plate; capture temporary plates, paper plates, and vehicles without plates. Our cameras also capture two (2) lanes of traffic traveling up to 100 MPH with a single camera.

INFRASTRUCTURE FREE

Use cameras that are solar powered and include LTE internet connectivity (unlimited use included in cost), so they can be rapidly deployed virtually anywhere.
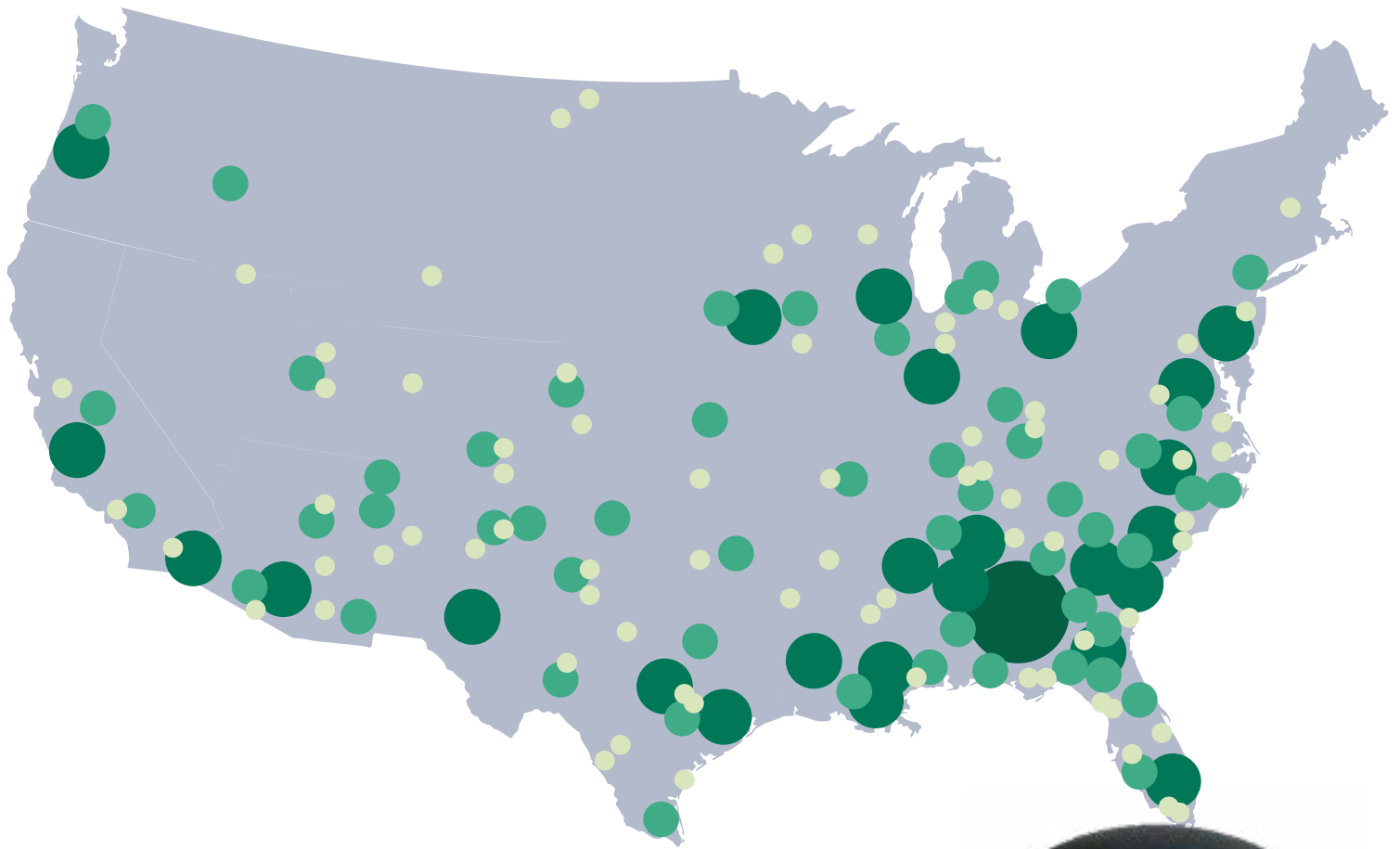
SIMPLE & AFFORDABLE

Our cameras cost $2,500 per camera per year which includes hardware, software, solar power, LTE connectivity, unlimited users, and unlimited data storage.

We look forward to hearing from you and hope you will join the "flock"!

Thank you,

flock safety

600+
Police
departments

1000+
US cities

120
Stolen vehicle
reads/hr

Flock Safety's technology includes fixed license plate reading cameras and software for unlimited users to access footage and receive hotlist notifications.

Proposal Summary

Police departments need a scalable solution to increase clearance rates and deter crime. The Flock Safety camera sees like a detective to make actionable evidence available when needed that is easily searchable by vehicle type, make, model, color, timeframe, or plate details. We deliver this detail through Machine Learning technology that scans each image for distinguishing features, instead of traditional metal plates. This means we can also detect vehicles with no plates, temporary plates, dirty/covered plates, and even get accurate state detection.

30% ▲

Our solution **captures 30% more plates** than our leading competitor, according to a side-by-side study done by LASD in 2019, largely due to using AI and Machine Learning to analyze the entire vehicle profile, instead of legacy Infrared based technology.

34% ▼

In April 2019, Marietta Police Department released a study that shows they experienced a **34% reduction in calls for service** by targeting crime hot spots throughout the city with Flock Safety cameras.

60% ▼

In October 2019, Cobb County Police Department released a study based on their installation of 13 Flock Safety cameras in March. Over the six month period, Cobb police reported a **60% reduction in overall crime** by focusing on the beat with the highest

Company Overview

Flock Safety's mission is to eliminate crime. This is possible with city-wide coverage of automatic license plate readers (ALPRs) for both public safety organizations and private citizens. When a crime occurs, Flock Safety devices deliver the actionable evidence you need to make an arrest.

Our company is headquartered in Atlanta, Georgia. Flock

Safety camera systems live in over 1000 cities in 38 states and over 600 police departments. With an average of 120 Hot List notifications sent an hour with jurisdictions throughout the U.S., our team is helping agencies solve and prevent crime every minute.

Customer Results

Flock Safety unites law enforcement and the communities they serve in the pursuit of a safer, more equitable society, with the use of force-multiplying technology. Our devices, which are owned by both public and private customers, see like a detective. They capture objective evidence, decode investigative leads using machine learning technology, and deliver real-time, actionable alerts to officers so they can clear cases more efficiently. Over 1000 U.S. cities enlist the help of Flock Safety's public safety operating system to reduce crime by up to 70%. These are some of their stories.

JERSEY VILLAGE, TEXAS

A camera on every street to create a virtual gate

Within one week, Flock Safety cameras notified officers of two vehicles on the NCIC Hot List. During the seizure of one of the vehicles, a wanted murderer in the state of Louisiana was arrested. Both vehicles were returned to their owners.

- Location: Houston suburb
- Flock Cameras: 50+
- Residents: 8,000
- Installation: Two months from purchase

MARIETTA, GEORGIA

34% reduction in calls for service in targeted hotspots

Cameras within the city led to the arrest of a suspect who allegedly brutally attacked a woman. Officers were able to locate and arrest the suspect using Flock cameras after weeks of the suspect being on-the-run.

- Location: Atlanta suburb, in Cobb County, Georgia
- Flock Cameras: 70 and growing within the county (30 police and 40 private cameras)
- Residents: 65,000 in Marietta
- Installation: Two months from purchase for first hotspot created

Containment strategy in highest crime beat of the county

Cobb County Police Department utilized 35 Flock cameras in 2 containment zones in their highest crime beats to reduce crime by over 60%.

- Location: Cobb County, GA is just outside of Atlanta
- Flock Cameras: 35 for PD, over 100 including private sector cameras
- Residents: 750,000 in Cobb County
- Installation: Phased approach
- Contact: Deputy Chief Stuart Vanhoozer at **stuart.vanhoozer@**
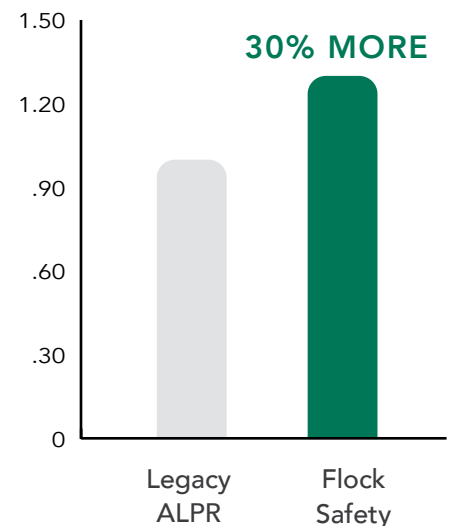
Sheriff's Department performs detection accuracy test

Los Angeles Sheriff's Department performed a head-to-head test of the Flock Safety camera versus a legacy ALPR solution.

- The results showed that the Flock Safety camera captures

  30% more vehicle images and provides more accurate reads than traditional cameras triggered by infrared technology.

- Conducted in limited lighting from 2:00 AM to 8:00 AM, and

  from 11:00 PM to 6:00 AM.

- Causes for missed vehicles and/or misread plates were

  associated with the amount of reflectivity of the plate (older/dirtier tags, and dealer provided paper plates).

ACCURATE READS

30% MORE

1.50

1.20

.90

.60

.30

0

Legacy ALPR   Flock Safety

Product

Flock Safety Automatic License Plate Reading (ALPR) cameras do not just identify the plate seen, but all the objects within the frame. Even if the vehicle does not have a tag, the image can be captured for review. The user interface is a simple search with unlimited user licenses. Within the software component, law enforcement can receive hotlist alerts and create custom alerts for plates under your investigation.

SOFTWARE USER INTERFACE

Included at no additional cost with unlimited user licenses. Receive alerts to help detect crime and search footage to access evidence — with any internet-connected device (based on user credentials that are easily managed/approved by admin).

Detect Crime

- Connected to the NCIC Hot List & CJIS compliant
- State detection to ensure quality alerts
- Hotlist alerts (includes privately owned cameras in your jurisdiction)
- Create custom alerts for tags under investigation with your organization
- Filter notifications by reason codes (exclude sex offenders, include stolen plates, etc.)
- Email and SMS alerts to users
- Audible and visual alerts

Access Evidence

- Filter search by specific camera location
- Capture vehicles regardless of plate type (paper, no plate, etc.)
- Search results with vehicle summary in multiple formats
- Filter by Vehicle Fingerprint™
    - Date and time
    - Vehicle Characteristics
        - Plate (partial/full)
        - Plate Type (in state, out of state, temporary tag)
        - Build & Color
        - Resident status
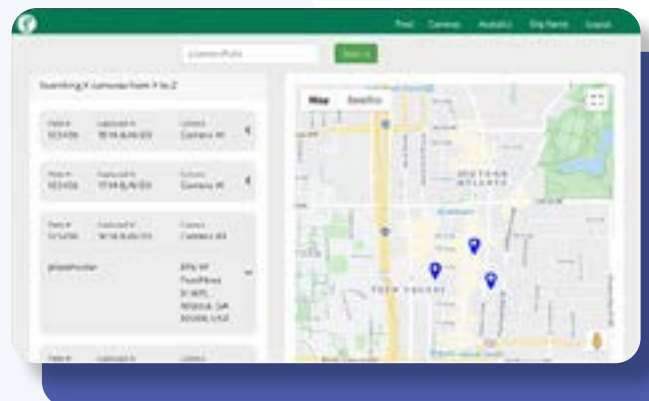   - Location/Date/Time

Insights
Give city council an ROI report

- Discover crime and traffic patterns
- Prioritize changes by greatest impact
- Change your community for the better

Lookup
Search plates across your jurisdiction

- "I have the plate where is the car?"
- Designed to search all cameras, all time
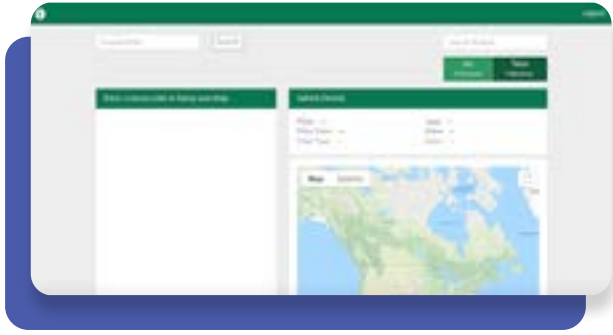- Get a full view of all activity tied to one vehicle in your network

Shared Footage Search Network for Law Enforcement
A new way to solve cross-jurisdiction crimes

- New privacy setting (National + State search)
- 1B + monthly reads
- Attached to "Lookup" experience

Peformance

DAY TIME FOOTAGE

NIGHT TIME FOOTAGE

TEMPORARY PLATE

NO PLATE

COVERED PLATE

TWO LANES OF TRAFFIC

CAMERA SPECIFICATIONS

Design
Dimensions: 8.75" x 3"
Weight: 3 lbs
IP65 Waterproof

Power
14Ah Battery
30W Solar Panel (14" x 21")
AC Power (5 ft. range)

Data
16GB local storage, ~2 weeks

Image
5MP Image Sensor

Motion
Passive Infrared Motion Detection

Connectivity
Embedded Cellular LTE Connection
Cellular service provider depends on area

Production
Designed & manufactured in the U.S.

Night Vision
850nm Custom IR Array

Cloud Storage
30 days storage (Amazon Web Services)
Accessible via secure website
Images can be downloaded and stored by department

CAMERA PERFORMANCE

Traffic
NCIC and Custom Alert Notifications
- Average of 10-15 seconds

Includes time, location, plate, and vehicle image
Includes state specific alerts based on image

Power Source
100-240 VAC <1 amp
60 W Solar
11-14 Volt

Processing Power
1.4GHz
64-bit quad-core CPU
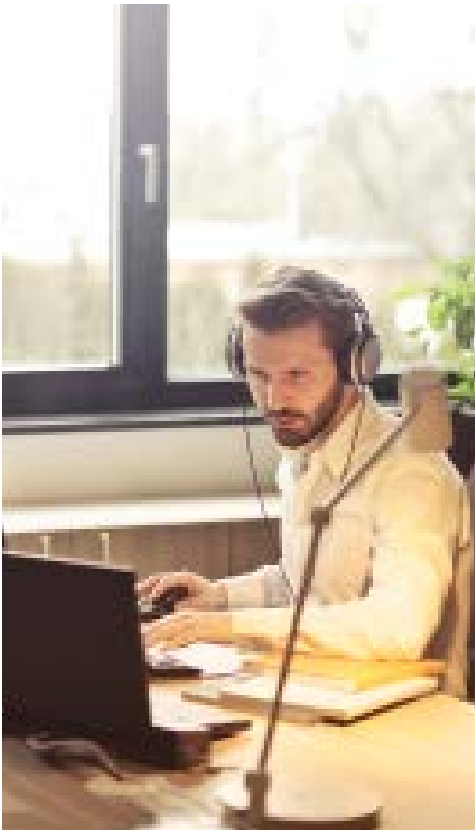
Image Capture
20-90 ft from vehicles
Up to 2 lanes of traffic per camera
Date and time with camera location
Plate (state, partial, paper, and none)
Vehicle details (Make, type, and color)

Training, Ongoing Support & Timeline

New customers will first get connected with their dedicated Onboarding Specialist who will spearhead the installation project to completion. Once cameras are successfully capturing footage, customers get introduced to their dedicated Market Manager. This person serves as the main point of reference for all things Flock Safety (training, setup questions, etc). In addition, the Flock Safety Support team monitors the **support@flocksafety.com** inbox Monday through Friday, 8:00 AM to 5:00 PM EST.

SAFETY-AS-A-SERVICE

- Regular software updates at no additional cost
- Camera maintenance is included in the subscription
- Unlimited users for hotlist integration and alerts, and camera

INSTALLATION & CAMERA LOCATIONS

The average installation is to 6-8 weeks. Camera locations and installation timing is coordinated by the Flock Safety Customer Support team.

City intersection
Solar & existing pole

Entrance to Hotel
Solar & Flock 14 foot pole

City Foot Traffic Street
Electric & existing pole

wing

The Wing™
integration

Transform your cameras into cameras that see like a detective.

The Flock Safety Wing integration is for law enforcement agencies who want to transform existing cameras into cameras that see like a detective. Unlike buying new hardware, you can upgrade your existing cameras with the power of Flock Safety's Vehicle Fingerprint™ technology.

Detectives are key to solving crime

They see things differently, pick up on clues, and identify leads. They might notice that a suspect vehicle had a roof rack, tinted windows, a trailer hitch, bumper stickers, step boards, aftermarket wheels, etc. Those details can unlock an investigation and solve crime.

Cities already have 100s or 1000s of cameras

For years, cameras have promised a safer future. But who has the resources to scroll through hours and hours of footage? Even if you do have time, how can you be sure that you'll catch all the unique features of a suspect vehicle? When every second matters, you need to find the single frame that gives an investigator a lead.

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Learn how your agency can take advantage of the Wing integration.

flocksafety.com/police

flock safety

Solve more crime by putting Flock Safety software on your IP cameras.

Black Chevy truck
Day Footage
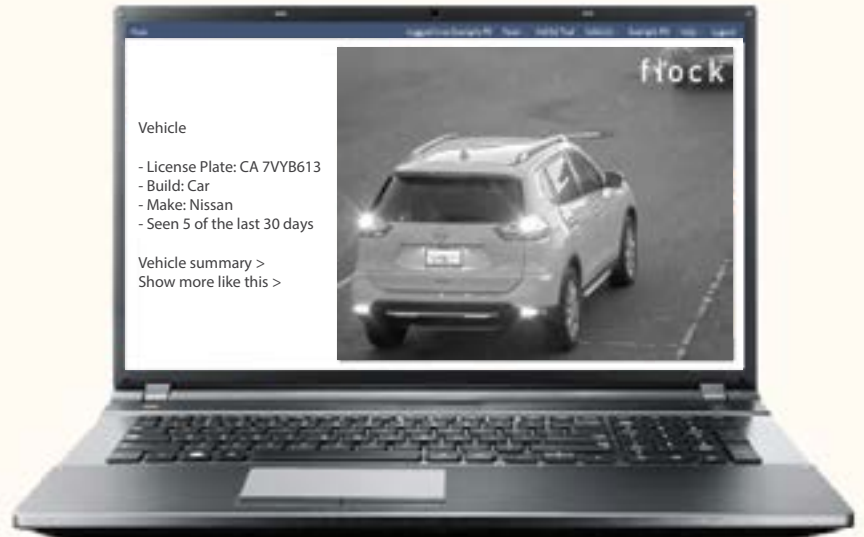

Nissan car
Lic: 7VYB613
Night Footage

Filter hours of footage to find actionable evidence

Leverage Flock Safety's patented Vehicle Fingerprint technology on your 3rd party camera and use machine vision to find your suspect vehicle. Think:

- Vehicle make, type, color
- License plate (full, partial, missing)
- Temporary tags and state of plate

Vehicle

- License Plate: CA 7VYB613
- Build: Car
- Make: Nissan
- Seen 5 of the last 30 days

Vehicle summary >
Show more like this >

Let's get started today. Transform your cameras into cameras that see like a detective.

flock safety

flocksafety.com/police

Is the Wing integration right for my cameras?

The Wing integration is compatible with all Axis ® cameras and a variety of other IP cameras. If your cameras meet the requirements listed here, the Wing integration is right for you.

Axis ® Camera Requirements

√ Camera can talk outbound to the cloud (over 80/443)
√ Camera contains an SD card (>1GB)
√ Camera produces clear footage

Other IP Camera Requirements

√ Real-Time Streaming Protocol (RTSP) is secure and publicly available
√ Camera has stable bandwidth, either wired wireless, excluding 4G

Still not sure? Speak with a Wing integration specialist to learn more.

Pricing

$79/camera per month
+
base implementation fee*

*$\leq$15 licenses = $1500 +
$75 implementation fee per
each additional license

Subscription Details	Price	QTY	Subtotal
2 Year Warranty			
Annual Subscription Price per year	$2,500.00	5	$12,500.00
Automatic License Plate Reader (ALPR) Solar or DC Power 2 Year Maintenance Warranty	$0.00	5	$0.00
Hosting & Analytics Cloud Hosting Unlimited User Licenses Hotlist Integration & Alerts Neighborhood Camera Integration Ongoing Software Enhancements	$0.00	5	$0.00
Implementation Camera Setup Shipping & Handling	$250.00	5	$1,250.00
Other Cellular Mounting Equipment	$0.00	5	$0.00

Total   **$13,750.00**