

The New World of Artificial Intelligence: Opportunities for Police Oversight Practitioners?

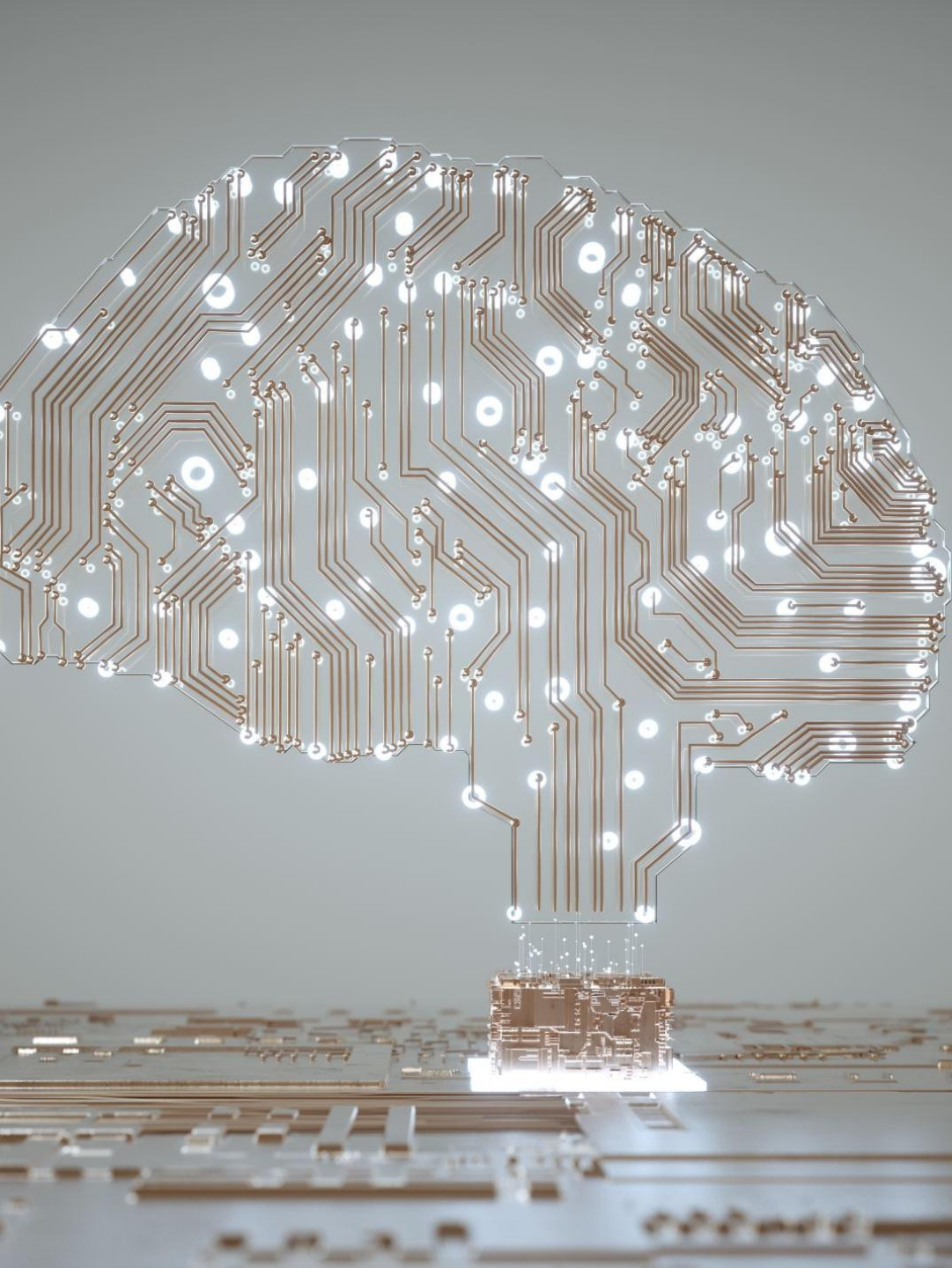
NACOLE WEBINAR: June 12, 2025

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Artificial Intelligence: Definition

The theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.



Challenge: Murder In the Jail

After an incarcerated person is booked into the jail and assigned housing, other incarcerated persons engage in a sustained assault over a period of ten minutes, resulting in the person's death. Assaulters timed their attack after one safety check and before another. The assault was captured by fixed cameras in the dormitory but jail authorities do not monitor the cameras.

CAN AI ASSIST WITH THIS MONITORING CHALLENGE?

Potential Solution: Violence Detection

Once trained, the AI can analyze new, unseen video footage.

- It looks for patterns it learned during training that suggest violence might be occurring.
- The AI can identify specific actions like fighting, pushing, or wielding weapons.
- Some systems also incorporate audio analysis to detect sounds like gunshots or screams, further enhancing accuracy.
- AI-powered video surveillance systems can analyze footage in real-time, offering continuous monitoring without fatigue.
- Upon detecting violence, the system can send alerts to security personnel or authorities.

Outstanding Issues

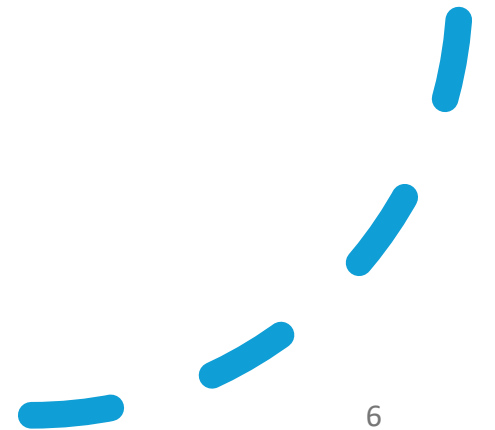
- What if the AI technology doesn't work?
- What if the alert is not timely received and violence is not prevented?
- Any fail safes if camera/lens is tampered with?





Challenge: Customer Service Gauge

Oversight and accountability focus on CIVILIAN COMPLAINTS as a basis for identifying and addressing police misconduct. Are there ways to capture police interactions that do not rely on the filing of a formal complaint?



Potential Solution

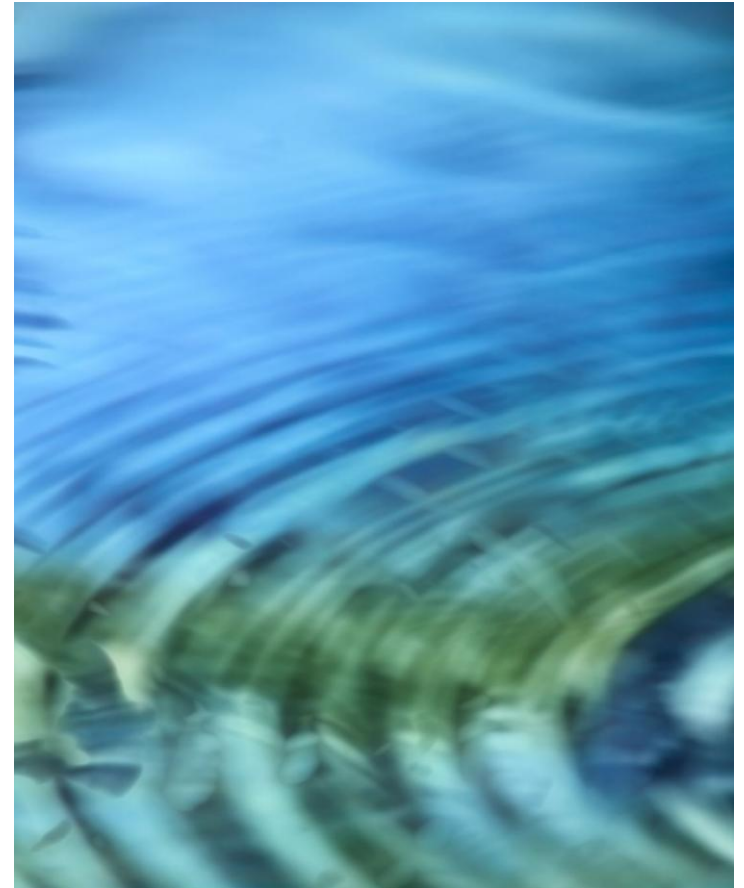
1. Initial Contact: When someone calls 911, the call is routed to dispatch, and information is collected.

2. Follow-up Survey: After the call is handled, the caller receives a follow-up survey (often through text message).

3. Feedback Collection: The survey asks about the experience with the officer, including things like courtesy, professionalism, and responsiveness.

4. Data Analysis and Improvement: The department analyzes the feedback, identifying trends and areas for improvement.

5. Transparency and Accountability: The feedback is often made public to demonstrate transparency and accountability.



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Outstanding Issues

Who monitors the feedback?

Police?

Oversight?

What if caller wants to file
complaint?

Underinclusivity: Focus on
callers for service

What about detainee/arrestee?

What about witnesses?

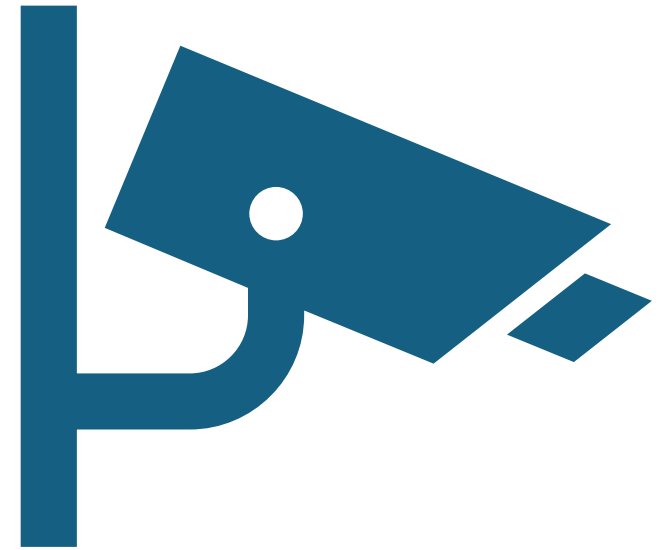
Who writes the prompt
feedback questions?

What interventions are possible?

Challenge: Monitoring Officer Behavior

With the advent of body worn cameras and fixed cameras in the jails, thousands of hours of police interactions are recorded. Most of that footage is never reviewed, monitored, or considered.

Is law enforcement and police oversight missing out on a fount of information that could be used for accountability, training, supervision, coaching, positive reinforcement or other interventions?



Potential Solution: IA Analytics (Truleo)

- **Transcription and Analysis:** Audio analytics and natural language processing are used to transcribe BWC audio and analyze conversations between officers and the public.
- **Officer Recognition and Training:** It aims to identify both professional and unprofessional officer language and behavior to provide coaching, celebrate professionalism, and highlight areas for improvement.
- **Event Detection:** The system can automatically detect specific events such as uses of force, pursuits, frisks, and non-compliance incidents within the footage.

Outstanding Issues

Officers monitored
24/7? Union issues?

What interventions
are possible?

- IA investigation
- Discipline
- Training/Counseling
- Commendation

Automated Facial Recognition

Used to Identify Subjects of Suspected Criminal Activity

Used by federal law enforcement and private citizens to identify January 6 perpetrators

Critiques:

Poor results re people of color/women/elderly

A study by the National Institute of Standards and Technology found that leading facial recognition technologies showed error rates up to 100 times higher for Black and Asian faces compared to white faces.

**Oakland becomes third U.S. city to
ban police use of facial recognition**

Ordinance passed this week on
technology deemed "inaccurate,
invasive, and lacking in standards"

BY [ALISTAIR CHARLTON](#)

PUBLISHED JULY 21, 2019

salon



Automated License Plate Readers (ALPR)

- Faster Identification of Vehicles of Interest:
- Improved Investigative Capabilities
- Real-time Alerts and Response
- Increased Stolen Vehicle Recovery

Automated License Plate Readers



Automated License Plate Readers (ALPRs) face several challenges, including



privacy concerns,



accuracy issues,



data security risks,



potential for misuse.



They can also lead to unintended consequences, such as misreading license plates and collecting data on innocent individuals.

ISABELLA VANDERHEIDEN / WEDNESDAY, FEB. 5,
2025

Eureka City Council Unanimously Rejects Proposal to Install License Plate-Reading Cameras

Last night, the Eureka City Council unanimously voted to reject a proposal from the Eureka Police Department to install nearly two dozen automated license plate-reading (ALPR) cameras throughout the city, citing concerns over privacy protections and data sharing.



Shotspotters

ShotSpotter is a gunshot detection and location technology that uses acoustic sensors to detect, locate, and alert law enforcement to potential gunfire incidents. The technology is deployed in many cities and is seen as a tool to help reduce gun violence, though it has also faced criticism.



Chicago police no longer using ShotSpotter gunshot detection technology, sensor takedown begins

Aldermen overwhelmingly voted in favor of an ordinance that would allow them to keep the technology system last week. But Mayor Brandon Johnson vetoed it, saying, "The ultimate goal is to deploy resources on the most effective strategies and tactics proven to accelerate the current downward trend in violent crime. We have to explore better options that save more lives."



Why Are States Abandoning Red Light Cameras?

According to data from the National Highway Traffic Safety Administration, municipalities in 25 states and Washington, D.C., employ red light cameras. When deploying the cameras, governments sang their praises for cutting down on red light accidents.

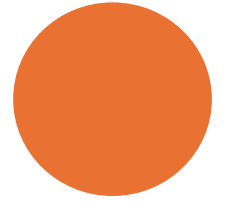
Critique: The cameras too often target the license plate and not the driver. That means the right person may not receive the ticket, and it shifts the burden from the state to the defendant to prove that they were not driving the car at the time.

Drones

- Advantages
 - Surveillance
 - Safer for police/subjects?
 - Replace other equipment?
 - K-9s
 - Chemical Agents
 - Helicopters



Los Angeles Times



Government drones used
in 'runaway spying
operation' to peek into
backyards in Sonoma
County, lawsuit says

June 6, 2025



DRONE DEPLOYMENT DURING PROTESTS

NYPD Has Used Drones to Monitor Pro-Palestine Protests, Make 239 Arrests

“This is a local police department that increasingly acts like a national intelligence agency,” one expert said.

By

[Zane McNeill](#) ,

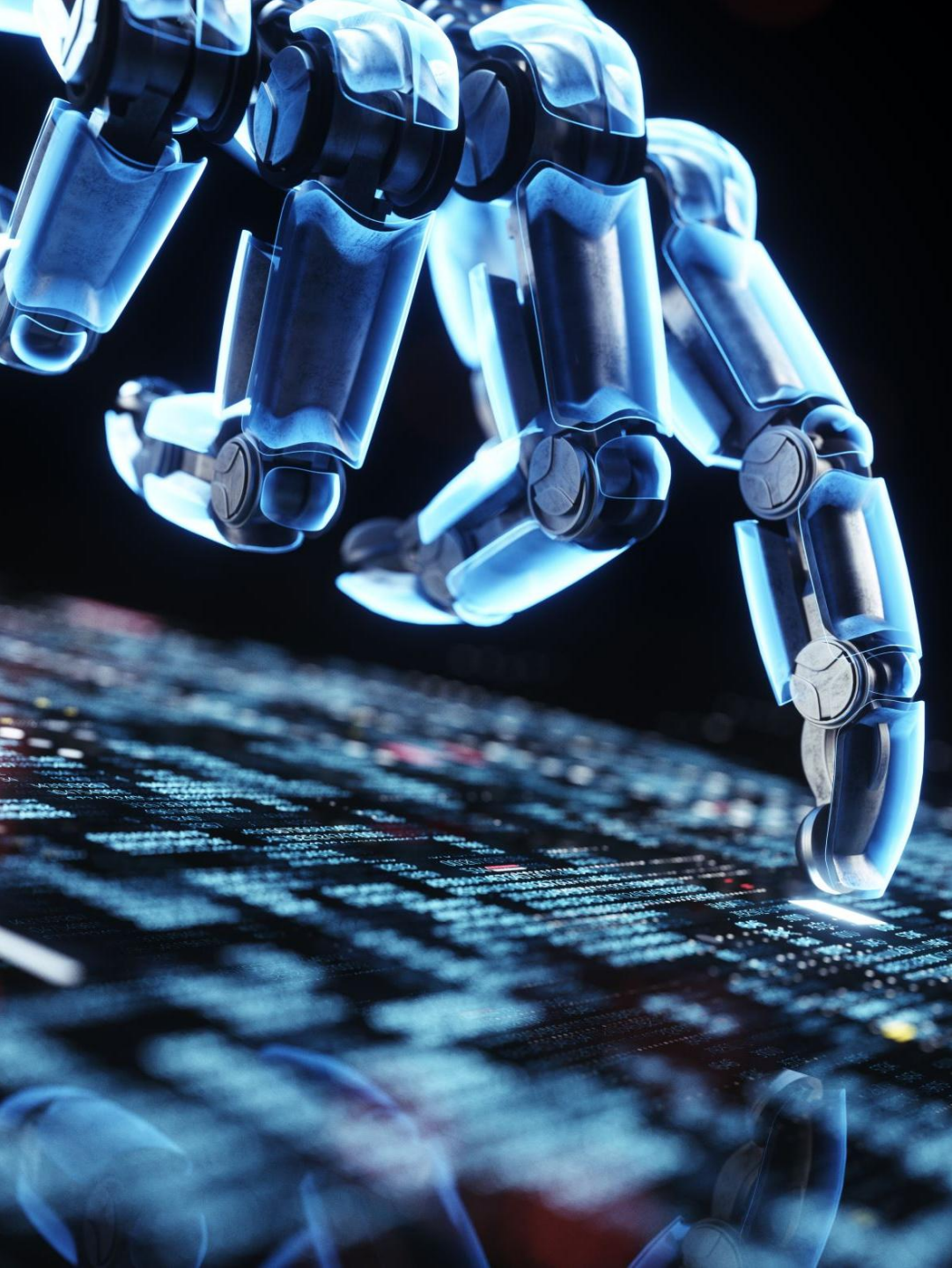
TRUTHOUT

Published

December 4, 2023

POLICE ROBOTS





POLICE ROBOTS

Police robots, also known as tactical robots, are being increasingly used by law enforcement agencies for a variety of tasks, including bomb disposal, surveillance, and navigating dangerous situations. They offer advantages such as reducing risk to officers, providing intelligence gathering, and aiding in communication with suspects or victims.

Police Use of Robot to Kill Dallas Suspect Unprecedented, Experts Say

The death of a suspect in the Dallas police shootings marks the first time U.S. police officers have used a robot to kill someone, according to Texas and national experts.

BY [ISABELLE TAFT](#)

• JULY 8, 2016



KOQED

In Reversal, SF Temporarily Bans Police From Using Robots to Kill

[Joe Fitzgerald Rodriguez](#)

- Dec 6, 2022

San Francisco's policy to allow police to kill using remote-controlled robots will be sent back to the workbench.

But in the meantime, police will be barred from using remote-controlled drones to kill.

Drones and Robots on Patrol?

Better for overpoliced neighborhoods?

Less (or more) intrusive?

Drones/Robots as a first responder?

Driverless Patrol Cars?

Eliminate Pretext Stops?

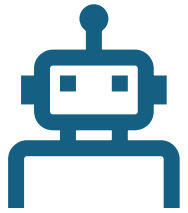




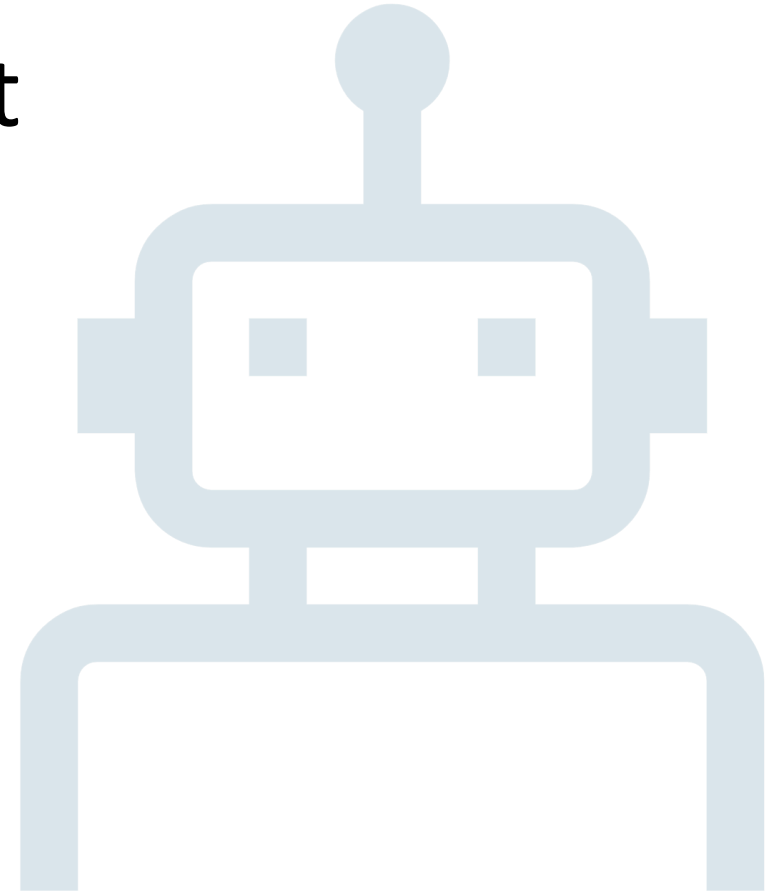
AI and Police: What Else?

- Hiring
- Report Writing
- Testing
- Crime Mapping
- Investigations/Interviews
- Case Analysis
- Discipline
- Performance Evaluation

AI and Corrections: What Else?



- Classification
- Housing
- Telemedicine/Automated Pill Call
- Tablets
- Perimeter Security
- Virtual Therapy



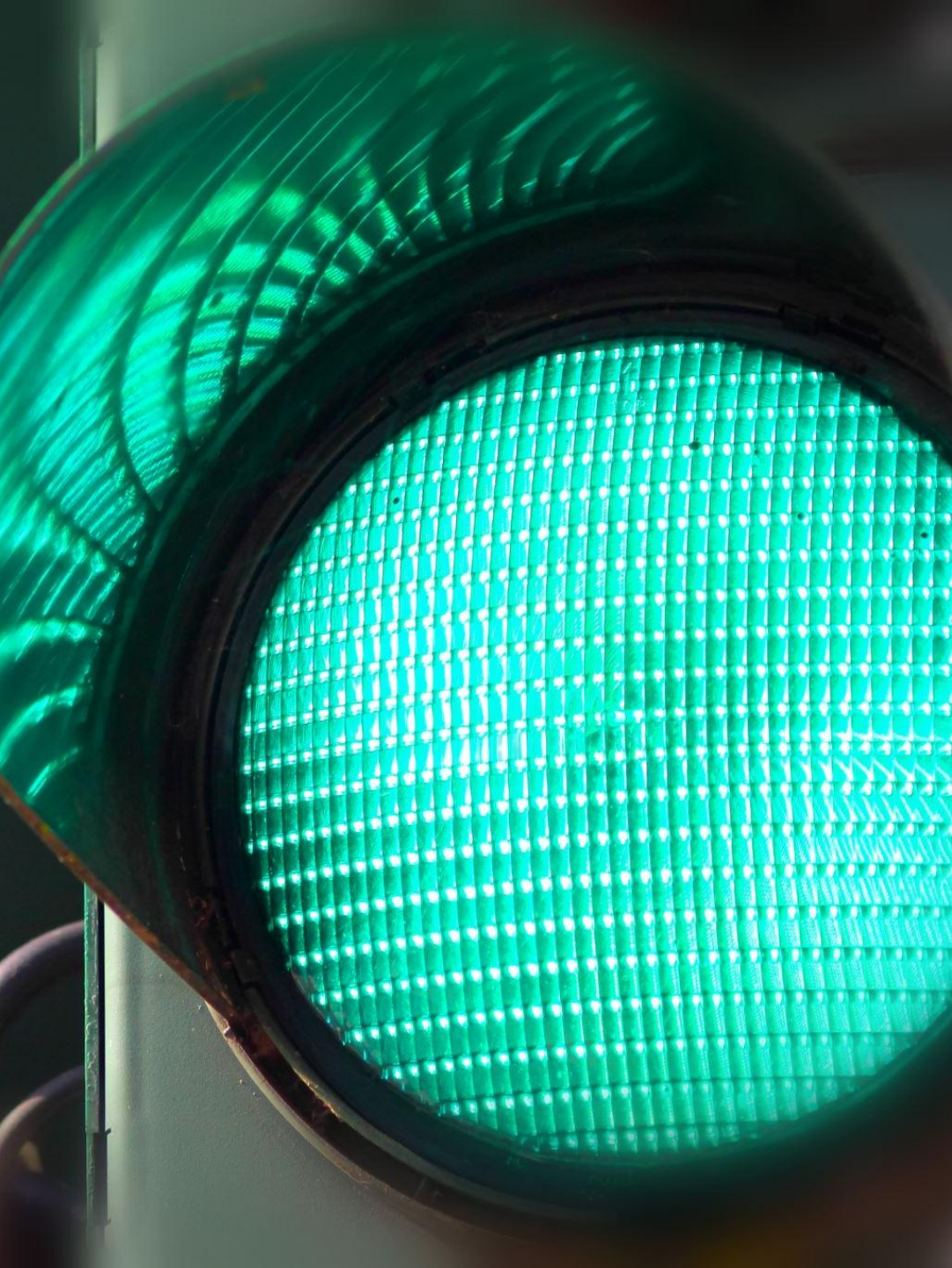
State lawmakers push back on federal proposal to limit AI regulation

More than 260 state legislators from all 50 states have signed a letter opposing a provision in the federal budget reconciliation bill that would limit state power in regulating AI.

BY [SOPHIA FOX-SOWELL](#)

- JUNE 3, 2025

STATESCOOP



Red Light Cameras

Red light cameras are automated traffic enforcement devices that capture images of vehicles entering an intersection after the traffic signal has turned red. These cameras are synchronized with traffic lights and utilize sensors to detect when a vehicle crosses the stop line after the light has turned red.

AI as an Oversight Practitioner

Internal investigations

Review of critical incidents

Appropriate discipline

Policy: Best practices

Outreach

As AI systems become ever more capable and powerful, their greatest impact may be felt in the most basic criminal justice application—the investigation process itself. Used correctly, AI can help security and law enforcement solve more crimes and do so faster than ever before. Used incorrectly, it can lead to egregious privacy invasions and a multitude of ethical problems.



Questions/Discussion

