Findings from the 2024 Surveillance Technology Equipment Reporting

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Background

HB 1496

(Jan 2024) Surveillance Technology Registry

(Enacted) Surveillance technology reporting by state and local law-enforcement agencies and sheriff's departments



Data collection process

Introduction of the legislation and process (summer 2024)

Collection of data (October 2024)

Reminder emails (Mid and late Oct)



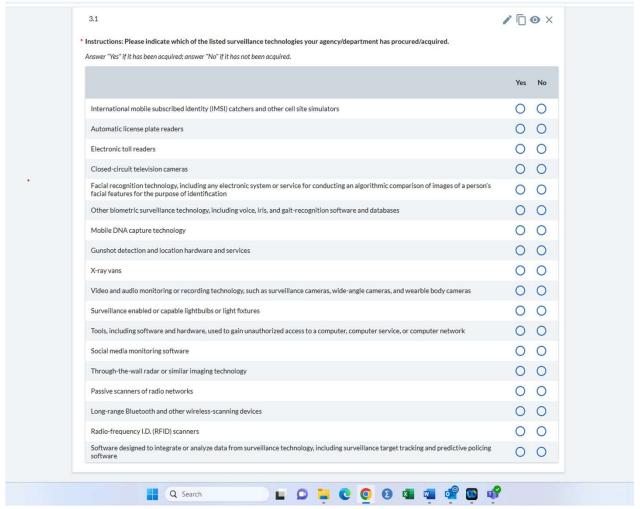
Data collection process

Data collected:

- –Agency contact (name, agency, email, phone)
- List of surveillance tech equipment listed in Code
- Other surveillance tech equipment not on the list



Primary Checklist



Data collection process

By November 2024

275 responses from the 335 LEAs contacted

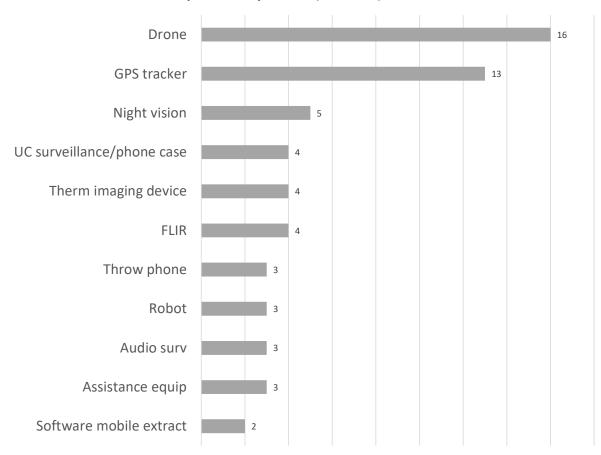
Response rate = 82%



Surveillance Items	#	%
Video and audio monitoring or recording technology	240	87%
Closed-circuit television cameras (CCTV)	141	51%
Automatic license plate readers (LPR)	140	51%
Tools used to gain unauthorized access to a computer, computer service, or network	43	16%
Software designed to integrate or analyze data from surveillance technology	28	10%
Radio-frequency I.D. (RFID) scanners	14	5%
Gunshot detection and location hardware and services	14	5%
Social media monitoring software	10	4%
Through-the-wall radar or similar imaging technology	7	3%
Surveillance enabled or capable lightbulbs or light fixtures	7	3%
Facial recognition technology	7	3%
Passive scanners of radio networks	6	2%
International mobile subscriber identity (IMSI) catchers and other cell site simulators	5	2%
Long-range Bluetooth and other wireless-scanning devices	3	1%
X-ray vans	3	1%
Mobile DNA capture technology	2	1%
Other biometric surveillance technologies, including voice, iris, and gait-recognition	2	1%
Electronic toll readers	2	1%

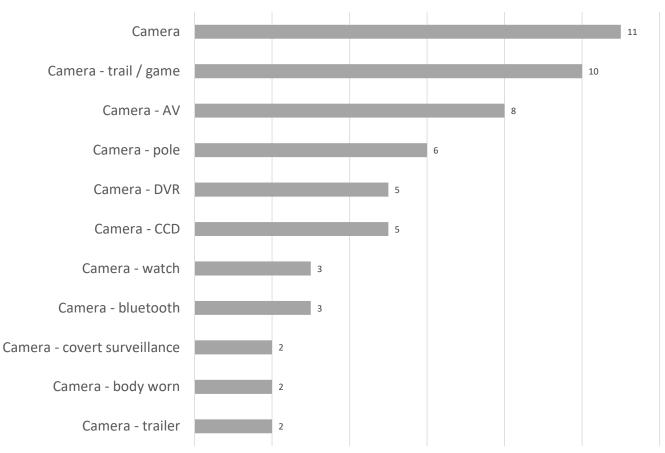


Tech reported in open-text (not in list)





Types of camera tech reported in open-text





Department size analysis (based on number of sworn LEOs)

Large department	200 sworn or >	17 departments
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Med department 199 – 30 sworn 96 departments

Small department 29 sworn or < 160 departments



Video and audio monitoring or recording technology				
Large dept	16	94%		
Med dept	88	92%		
Small dept	135	84%		
Automatic license plate readers (LPR)	Automatic license plate readers (LPR)			
Large dept	14	82%		
Med dept	71	74%		
Small dept	56	35%		
Closed-circuit television cameras (CCTV)				
Large dept	12	71%		
Med dept	57	59%		
Small dept	71	44%		
Tools used to gain unauthorized access to a computer, service, or network				
Large dept	9	53%		
Med dept	26	27%		
Small dept	8	5%		

depts reported

% of same size depts reported



Data integration software designed to	integrate or analyze data	a from STE		
Large dept	7	41%		
Med dept	17	18%		
Small dept	3	2%		
Radio-frequency I.D. (RFID) scanners				
Large dept	4	24%		
Med dept	6	6%		
Small dept	3	2%		
Social media monitoring software	Social media monitoring software			
Large dept	4	24%		
Med dept	5	5%		
Small dept	1	1%		
Gunshot detection and location hardware and services				
Large dept	4	24%		
Med dept	4	4%		
Small dept	6	4%		
International mobile subscriber identity (IMSI) catchers and other cell site simulators				
Large dept	4	24%		
Med dept	1	1%		
Small dept	0	0%		



Long-range Bluetooth and other wireless-scanning devices			
Large dept	2	12%	
Med dept	1	6%	
Small dept	0	0%	
Surveillance enabled or capable	lightbulbs or light fixt	ures	
Large dept	2	12%	
Med dept	4	4%	
Small dept	1	1%	
Drone/unmanned aircraft			
Large dept	1	6%	
Med dept	7	7%	
Small dept	4	3%	
Through-the-wall radar or similar imaging technology			
Large dept	1	6%	
Med dept	3	3%	
Small dept	3	2%	
Facial recognition technology			
Large dept	1	6%	
Med dept	3	3%	
Small dept	3	2%	



Passive scanners	of radio networks		
	Large dept	1	6%
	Med dept	2	2%
	Small dept	2	1%
Electronic toll rea	aders		
	Large dept	1	6%
	Med dept	1	1%
	Small dept	0	0%
Mobile DNA capt	ure technology		
	Large dept	1	6%
	Med dept	1	1%
	Small dept	0	0%
Other biometric surveillance technologies, including voice, iris, and gait-recognition			
	Large dept	0	0%
	Med dept	2	2%
	Small dept	0	0%
X-ray vans			
	Large dept	0	0%
	Med dept	1	1%
	Small dept	2	1%
2011			



- –Explain use of the term "unauthorized"
- —Clarify time frame instructions (annually report tech or report tech procured annually?)
- Advise whether access to tech via third-party subscription services or other entities should be reported, add language



(xi) tools, including software and hardware, used to gain <u>unauthorized</u> access to a computer, computer service, or computer network



Lack of clarity in guidance language (time frame)

B. All state and local law-enforcement agencies and sheriff's departments shall provide to the Department (DCJS) a list of all surveillance technologies procured by such agencies and departments on an annual basis by November 1 of each year. The Department (DCJS) shall also provide such information to the Virginia State Crime Commission and the Joint Commission on Technology and Science.



Language in HB 1496 requires LEAs report only what they've procured (possess), not what they may access (use)

B. All state and local law-enforcement agencies and sheriff's departments shall provide to the Department (DCJS) a list of all surveillance technologies **procured** by such agencies and departments on an annual basis by November 1 of each year. The Department (DCJS) shall also provide such information to the Virginia State Crime Commission and the Joint Commission on Technology and Science.



Do we want LEAs to report on STE they have access to when needed but do not own?

- Third-party subscription services
- VSP or other LE
- Non-LEA sources (businesses, airport, trail/Ring cameras)



- -Provide guidance document in 2025
- Add items to list often reported in open-text (drones, GPS trackers)
- Adjust data collection tool if intent is to know about use and access, not just procurement of, STE



Other items in list that prompted questions

- (i) international mobile subscriber identity (IMSI) catchers and other cell site simulators
- (ii) automatic license plate readers
- (iii) electronic toll readers



Items to add to primary checklist

Drones (16)

GPS trackers (13)

Specify often-named types of cameras



Can add skip-logic questions to the checklist of STE to collect information on ownership, access, and use of equipment

Does your agency own automatic license place readers? (yes, no)

- If yes did your agency use this equipment in 2025?
- If no did your agency access this equipment via a subscription service, another LEA, or other source in 2025?



In summary, to improve Surveillance Technology Equipment reporting

- Explain language used (unauthorized) and provide guidance for listed equipment items
- Clarify time frame instruction (annually report tech or report tech procured within the year)
- Advise whether access to STE via third-party subscription services or other entities should be reported — Is intent to know who <u>owns</u> what, or is the intent to know who <u>uses</u> what?
- If intent includes knowing what STE is used/accessed, adjust data collection tool to capture
- Add STE often described in open-text section to primary checklist (drones, GPS trackers)



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