

SURVEILLANCE TECHNOLOGY IMPACT REPORT

Department or Division:	Fire Department
Compliance Officer (name and position):	Chief Charles Breen / Asst. Chief Christopher Major
Submitted by:	Chief Breen
Date:	5/22/23
Surveillance Technology:	FLIR MC300C marine camera

X	Please identify the purpose(s) of the proposed surveillance technology. Select ALL that apply by entering "X" in the left column.
X	Identifying and preventing threats to persons and property and preventing injury to persons or significant damage to property
	Identifying, apprehending, and prosecuting criminal offenders
	Gathering evidence of violations of any law in criminal, civil, and administrative proceedings
X	Providing information to emergency personnel
	Documenting and improving performance of City employees
	Executing financial transactions between the City and any individual engaged in a financial transaction with the City
	Preventing waste, fraud, and abuse of City resources
	Maintaining the safety and security of City employees, students, customers, and City-owned or controlled buildings and property
	Enforcing obligations to the City
	Operating vehicles for City business
	Analyzing and managing service delivery
	Communicating among City employees, with citizens, or with third parties
	Surveying and gathering feedback from constituents
	Other (Describe): The search and rescue of victims in the water. Allows safer operation of our marine unit in low light conditions. Assists with visibility of navigational aids, landmarks and water hazards.
	If the surveillance technology is used for a purpose not listed above, does the purpose comply with the surveillance use policy? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Complete ALL of the following items related to the proposed surveillance technology. Be as specific as possible. If an item is not applicable, enter "N/A." Do NOT leave fields blank.

1. Information describing the surveillance technology and how it works:

The Fire Department would like to install a FLIR M300C on our marine unit. This camera would provide safety to firefighters operating on marine responses providing critical information on navigational hazards and the locations of victims in the water. The camera provides steady imaging in rough conditions and allows the user to monitor hazards over long distances continuously.

a. Authorized use – the uses that are authorized, the rules and processes required before that use, and the uses that are prohibited (10.64.b.2):

The Somerville Fire Department's existing General Order for Thermal Imaging cameras will be amended to include this camera. Firefighters operating the marine unit will be authorized to use this technology as they deem necessary to carry out their duties. The most common usage will be to assist with navigation.

b. Training – the training, if any, required for any individual authorized to use the surveillance technology or to access information collected by the surveillance technology, including whether there are training materials (10.64.b.9):

Training will be conducted in the cameras use. Additionally, all members will receive the training required by the Surveillance Technology Use Policy.

2. Information on the proposed purpose(s) for the surveillance technology (10.64.b.1):

The use of this camera will be of great benefit to the Fire Department in protecting life and property. The primary purpose is to assist firefighters in carrying out their duties. The camera will aid firefighters navigating in limited visibility and in locating victims in the water.

The technology may be used by the Fire Investigation Unit (FIU) for the investigation and prosecution of arson-related crimes. The technology shall not be used for any other law enforcement purposes or intelligence gathering.

3. Information describing the kind of surveillance the surveillance technology is going to conduct and what surveillance data is going to be gathered (10.64.b.3):

Scenarios that may benefit from the use of a FLIR camera are: search and rescue of victims in the water or along the shoreline and aiding navigation in low visibility situations.

The technology provides only live information for the operator and does not collect, transmit or store data.

a. Data access – the individuals who can access or use the collected surveillance data, and the rules and processes required before access or use of the information (10.64.b.4):

No data is collected or stored. It is viewable only to the users at the time of use.

<p>b. Data protection – the safeguards that protect information from unauthorized access, including, but not limited to, encryption, access-control, and access-oversight mechanisms; (10.64.b.5)</p>
<p>No data is stored.</p> <p>Each time the marine unit is operated, an incident report is filed in which any equipment used in the response is noted. This will include whether the FLIR camera is used. These reports are kept on file and accessible.</p>
<p>c. Data retention – the time period, if any, for which information collected by the surveillance technology will be routinely retained, the reason that retention period is appropriate to further the purpose(s), the process by which the information is regularly deleted after that period has elapsed, and the conditions that must be met to retain information beyond that period (10.64.b.6):</p>
<p>This camera does not retain data and the information/images provided by the technology cannot be accessed after original use.</p>
<p>d. Public access – if and how collected surveillance data can be accessed by members of the public, including criminal defendants (10.64.b.7):</p>
<p>No data is collected or stored.</p>
<p>e. Third-party data-sharing – if and how other city or non-city entities can access or use the surveillance data, including any required justification and legal standard necessary to do so, and any obligation(s) imposed on the recipient of the surveillance data (10.64.b.8):</p>
<p>No data is stored or transmitted to any other party.</p>
<p>4. The location(s) it may be deployed and when:</p>
<p>On our Marine Unit. The use of this camera at incidents is recorded by the Officer in charge in their incident report.</p>
<p>5. A description of the privacy and anonymity rights affected and a mitigation plan describing how the department’s use of the equipment will be regulated to protect privacy, anonymity, and limit the risk of potential abuse:</p>
<p>The technology may identify the location of a victim, but it is only used where deemed necessary for the protection of life or property.</p>
<p>6. The potential impact(s) on privacy in the city; the potential impact on the civil rights and liberties of any individuals, communities or groups, including, but not limited to, communities of color or other marginalized communities in the city, and a description of whether there is a plan to address the impact(s):</p>
<p>The camera is used to assist in the operation of the Fire Department and not for surveillance purposes.</p>
<p>7. An estimate of the fiscal costs for the surveillance technology, including initial purchase, personnel and other</p>

ongoing costs, and any current or potential sources of funding:
The cost of the camera is approximately \$7000 and will be funded by UASI maritime grant funds. There will be no ongoing costs unless the equipment is damaged and needs repair.
8. An explanation of how the surveillance use policy will apply to this surveillance technology and, if it is not applicable, a technology-specific surveillance use policy:
The Surveillance Technology Use Policy applies to the use of this technology.
a. Oversight – the mechanisms to ensure that the surveillance use policy is followed, including, but not limited to, identifying personnel assigned to ensure compliance with the policy, internal record keeping of the use of the technology or access to information collected by the surveillance technology, technical measures to monitor for misuse, any independent person or entity with oversight authority, and the sanctions for violations of the policy (10.64.b.10):
At this time, the Fire Chief and Assistant Fire Chief would oversee the camera’s use. The Surveillance Technology Use Policy and any relevant Fire Department policy would serve as a guideline for the use of the cameras. Any use of the cameras at incidents is recorded by the Officer in Charge in their incident report.