Flir Integration Notes

Rev: May 17, 2018

Red text indicates information that should be detailed further when the information becomes available.

1. **Flir 911 Call Handling Options**

*VMS Configuration Feature	Description
Radius of Interest	If the lat/lon from a 911 call falls within this radius, the camera becomes a candidate for use.
Position Camera using 1 of 8 presets or absolute positions	How each camera will be controlled (PTZ) when a 911 call falls within the Radius of Interest.
Alarms	If an alarm is triggered, it requires the attention of an operator within the VMS Control Center in order to clear it.
Alarm Tiles (or pop-up video)	For each VMS server, the Control Center can have tiles configured to be dedicated to cameras with alarms triggered.
Bookmarks	For each event/alarm, a time-indexed bookmark can be placed on the relevant camera's recording. If the camera is not recording at the time of the event/alarm, it can be configured to attempt to start the recording.

**VMS = Video Management System. This is a server that manages a collection of cameras. In Boston, there is typically one VMS server for each municipality.*

2. **Types of events:** The Flir fusionPLATFORM interface will account for two types of events coming into the interface. These events will be configured with two discrete sets of call handling options which are described above. These two sets of call handling options will be defined by the local stakeholders. These events will be as follows:
    a. fusionPLATFORM high-priority call: This will be identified as a 911 call with a priority translation of "1"
    b. fusionPLATFORM low-priority call: This will be identified as a 911 call with a priority that is not a "1".

    Note: There will be a common dictionary created for Priority Codes in fusionPLATFORM. Each dispatch center will have their codes translated to the common dictionary. The Flir interface can then have their own mapping from the common dictionary. See an example of how this mapping can take place in the following table.

Translations of 911 Priority Codes				
Agency X CAD priorities (example)		fusionPLATFORM Common Value		Flir Interface priorities
1	→	A (high)	→	1
2	→			
3	→	B (med)	→	2
4	→			
5	→			
6	→	C (low)	→	
7	→			
8	→			
9	→	D (admin)	→	

3. **Connectivity Status in VMS:**
    a. Heartbeat: Using a repeating heartbeat signal, the VMS server can know of connectivity status even if VMS server loses connectivity during a time when interface traffic is quiet.
    b. Lost Connectivity Notification: If connectivity is lost, it will trigger a notification to the VMS administrator

4. **Shot-spotter compatibility**
   The question has been raised if the fusionPLATFORM integration can coexist on the same VMS server with other system integrations, such as Shot-Spotter.
    a. Answer: the fusionPLATFORM interface can coexist with Shot-spotter. There is only an additional consideration that needs to be made for potential conflict is if the same camera is trying to be used between the two systems. See the next item on prioritization.

5. **Prioritization of fusionPLATFORM integration**
    a. Priorities: VMS servers have the ability to create up to 100 distinct priorites for users. The priority determines who has access to a camera at any given time. If two users to the system are trying to take control of a camera at the same time, he higher the priority (lower the number) will win.
    b. System Users: It is the intent to implement “System” users, such as fusionPLATFORM, as a priority level below all human users.
    c. Quite Timer: A system wide value (number of seconds) is configured in the VMS system that functions as a lock time-out. If a high priority user takes control of a camera at a certain time, a lower priority user can only take control after the Quite Time has expired.

6. fusionPLATFORM Interface Configuration
   (pending)

7. Networking Specifications Between fusionPLATFORM and a VMS Server
   (pending)