Table 1 illustrates the categories and types of data generally available to public safety.

Table 1: Example Public Safety Data Types

Data Stream Category	Example Data Types
Video & Still Images	- Fixed/Stationary or Pan Tilt Zoom mounted CCTV cameras (some potentially including infrared data) - Vehicle Cameras - Cell phone cameras - Drones
Audio	911 calls - Communications between dispatch and first responders - Peer-to-peer first responder communications
Text	911 texts - Communications between dispatch and first responders - Peer-to-peer first responder communications
Social Media (multimedia)	- Facebook - Instagram - Twitter - Includes text, images, video, audio, graphics, and other non-textual information
Sensors	- Gunshot detection systems - Automated license plate readers - First responder asset tracking systems (for example GPS location of first responders and their vehicles)

Public safety requires automated approaches to sift through this incoming data and enable decision support tools and capabilities of the future. Tools and capabilities are needed which can identify emergency events and emergency related information within live streaming data. Table 2 lists examples of emergency events.

Table 2: Example of Public Safety Emergency Events

Public Safety Domain	Example Emergency Event Types
Law Enforcement	- Streetfight - Theft - stealing purse - Active breaking and entering - Domestic disturbance - Vehicle accident - Brandishing a gun - Disorderly conduct - Drug overdose - Homicide - Active shooter
Fire	- Vehicle accident - fire - Residential fires - Commercial building fire - Dumpster fire
EMS	- Choking - Vehicle accident injury - Drug overdose - Residential fire injury