



## ENHANCED 911

### IN CONJUNCTION WITH HAWKEYE

Increasingly municipalities, universities and corporations are installing and utilizing Pan-Tilt-Zoom (PTZ) Cameras for the purposes of crime prevention, public safety and theft deterrence. Most all municipalities have the E-911 Emergence Call System. For the most part, Event Detection Systems (like E-911) work independently from the Video Management Systems that control the PTZ Camera Networks and the Network Digital Video Recorder (DVR) Systems that store the collected video imagery.

Pelican Technologies developed the HAWKEYE system to automatically command PTZ Cameras to respond to geospatial specific events detected by Event Detection Systems such as Enhanced 911 and Computer Assisted Dispatch (CAD).

HAWKEYE responds to events as they occur and actions the connected cameras instantly.

Simultaneously, HAWKEYE informs connected Video Management Systems of the camera action (to alert operators) and connected DVR systems to provide a bookmark that can be used to audit and review the event at a later date.

HAWKEYE is a hardware and software combination in the form of a wall-mount panel or a rack-mount server that ties into existing network infrastructure to process and act on externally detected events. Included in the system is a graphical user interface and mapping application to assist in setting up HAWKEYE, a set of data interfaces that allow HAWKEYE to communicate with E-911, CAD systems and common Video Management Systems and comprehensive user documentation that details the setup and tuning options available to configure HAWKEYE to each unique environment.

HAWKEYE plugs into your existing facility hardware; there is no need to replace your existing Cameras, Video Management Systems, DVR or CAD systems.

In studies performed by law enforcement groups and private security firms, the average time required for a human operator to focus a camera onto the scene of a detected event is measured in minutes. HAWKEYE performs the same function in less than a second. The difference is:

- the difference between immediate situational awareness and not knowing the scope of an emergency until first responders arrive;
- the difference between a digital video record and "eye-witness memory";
- the difference between certainty and "reasonable doubt."

HAWKEYE enables municipalities to reduce the time required to collect valuable evidence and increases convictions. HAWKEYE allows corporations and private organizations to provide to law enforcement officials information that is critical to investigations and limits risk and liability exposure when the unforeseen occurs.

Those cities, companies and universities that invest in the HAWKEYE system will see an immediate ROI in the form of shortened response times, decreased crime, increased order and overall safer public environments.

Event detection alone is an incomplete assessment of activities. Once an event has been detected, video monitoring and recording is essential for an accurate assessment of risk and impact. Pelican Technologies has introduced HAWKEYE to tie together Event Detection and Video Management Systems into a coherent and automated system.



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## HAWKEYE WITH ENHANCED 911

Enhanced 911 is a North American telecommunications based system that automatically associates a physical address (and more recently GPS position) with the calling party's telephone number. This information is displayed to the operator or dispatcher at the 911 center who then alerts emergency responders with the location of the emergency.

The Caller Location Information provided is normally integrated into the emergency dispatch center's CAD system. Advancements in graphical displays and mapping systems have allowed real-time on-screen E-911 street maps that display the caller's position, nearest available emergency responders and other relevant information such as fire hydrants, hazardous materials and/or other data maintained by the city.



When a wireless user dials 911 on their mobile phone, the carrier for the mobile service determines the location of the handset through a process known as "Tower GPS Triangulation". This location information is not only transmitted to the call center for the purpose of sending emergency services to the scene of the incident, it is used by the wireless network operator to determine which call center to route the call to.

### Do your cameras automatically respond to emergencies?

Increasingly, mobile device manufacturers are integrating GPS receivers into their smart phones. In the case where a GPS receiver is present in the phone, the phone broadcasts its GPS position to the carrier when a 911 call is made.

Advanced E-911 systems, which can determine the GPS position of both wired and wireless emergency calls, are increasingly being adopted by cities and local governments in the United States. Information aggregated by advanced E-911 system can be passed directly into HAWKEYE in much the same way that the information is passed into existing CAD systems. When HAWKEYE receives event information from an E-911 or CAD system, it moves any PTZ cameras in the vicinity of the caller to look at the caller's location, alerts dispatchers and camera operators that a camera action has occurred and inserts bookmarks into the DVR video feed to allow for efficient review of the video associated with the incident at a later date.

For a demonstration of HAWKEYE or to inquire about our tiered pricing, reseller, distributor and installer discounts, or to simply learn more about Pelican Technologies, please contact us at (866)-274-9483 or visit us online at [www.technopelican.com](http://www.technopelican.com) or follow us on twitter (@technopelican).

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