

**Our focus is** innovating security where you need it most



Gunshot detection



**BOSCH**

Invented for life

## Gunshot Detection: Capture the shooter on camera

With instant PTZ positioning

As a crime fighting professional, you know the immense value of IP video security surveillance. It not only gathers essential evidence to help solve crimes, it also enables the anticipation of certain security issues, before they become a problem. But even with a large number of IP video cameras, you are not always guaranteed of capturing a good view of the perpetrator. Until now. Because now, Bosch cameras can zoom directly in on a gunshot – within less than one second of the gunshot sound being detected.

Think about it: whenever a gun is fired, the nearest PTZ camera zooms to the exact location, capturing the shooter and surroundings in full HD detail. The result? An instant alarm to initiate protective action, as well as priceless and detailed forensic evidence.

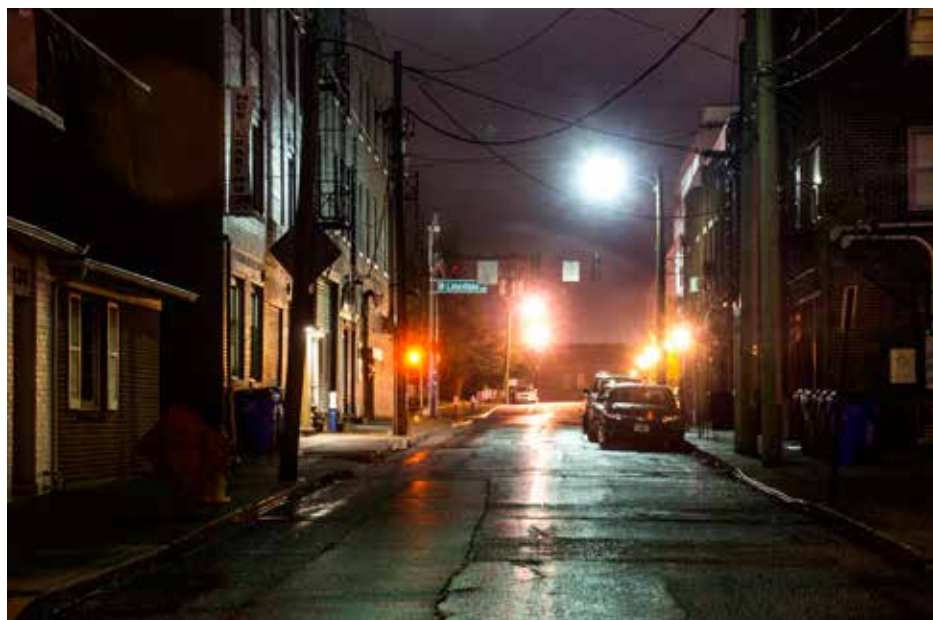
### **This is how it works**

A shot is fired in a metropolitan area. Within less than one second of the shooter pulling the trigger, microphones pick it up, a camera zooms in and authorities instantly have an idea of who and what they're dealing with. The gunshot is detected by a SENTRI

Gunshot Detection system, which recognizes gunshots and explosions and then sends precise position details to a Bosch PTZ camera, which zooms in directly on the incident. The camera captures the shooter and the surrounding environment.

### **Every second counts**

When there is a shooting, every second counts. Law enforcement officers need to spot the shooter as soon as the shot is fired. They need to assess the situation, determine the immediate risks, and take immediate action. This system makes all of that possible.



## High quality images in all weather conditions

The SENTRI Gunshot Detection System, thanks to the Bosch Integrated Partner Program, integrates perfectly with our all-weather Bosch AUTODOME IP and MIC IP 7000 series PTZ cameras. The MIC IP 7000 has an extreme rugged construction and has an ingress protection rating of IP68. They are packed with the latest technology to ensure you get detailed images even in fog, rain, and high contrast scenes. Take a look at how you benefit:

### ► Intelligent Defog

Also in a fog environment, you should be able to capture relevant images. Bosch cameras identify the darkest and lightest parts of the image, which in foggy conditions are different shades of gray. They then set the darkest gray to black and the lightest gray to white, to greatly increase contrast. They then adjust each of the RGB colors to improve color saturation and overall image quality.

### ► Image Stabilization

Heavy vehicles or a passing train can cause vibration and make the camera shake. The Image Stabilization algorithm detects continuous vibration and dynamically corrects the shaky video in both vertical and horizontal axes. The result is a stable image on the monitor – with no reduction in camera sensitivity.

### ► Intelligent Autotracking

Gunshots and other events can trigger autotracking functionality to follow a target. In an uncrowded scene, the shooter can be tracked automatically.

### What products do I need?

- SENTRI Gunshot Detection System manufactured by Safety Dynamics
- AUTODOME IP Series PTZ Cameras and/or MIC IP 7000 Series PTZ Cameras



MIC IP 7000



AUTODOME IP 7000.

### **Security all round**

In addition to our video surveillance systems, we offer a full line of security products and accessories, as well as a variety of tools to help you specify and design the optimum system for your operation. You can rely on our renowned quality and reliability, backed by our three-year warranty, and our world-class training and technical support. Also, compatibility with third-party products is assured, thanks to ONVIF<sup>1</sup> and our Integration Partner Program.

For additional information, please refer to our website or contact one of our sales representatives.

### **A tradition of quality and innovation**

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.

Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

<sup>1</sup> ONVIF (Open Network Video Information Forum) ensures interoperability between different products, regardless of manufacturer.

### **Bosch Security Systems**

To learn more about Video Systems please visit [www.boschsecurity.com/hdsecurity](http://www.boschsecurity.com/hdsecurity)

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