Innovating security where you need it most.

Gunshot detection

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 to capture a good view of the perpetrator. Bosch moving cameras, including those with starlight technology for low light conditions and thermal solutions for complete darkness, can instantly zoom in on the precise location of the shooter once a gunshot is detected.
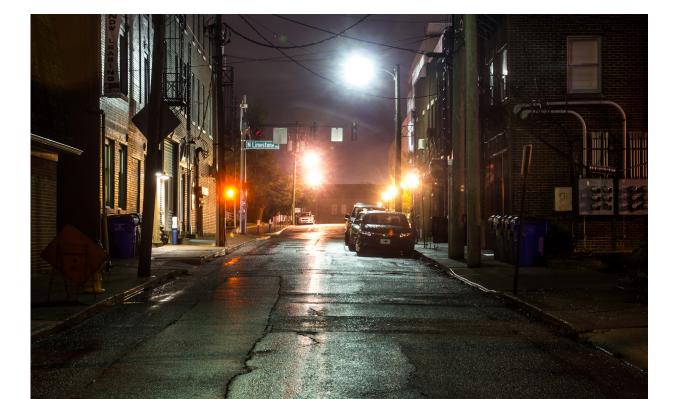
Think about it: whenever a gun is fired, the nearest PTZ camera zooms to the exact location, capturing the shooter and surroundings in full HD detail. The result? An instant alarm to initiate protective action, as well as priceless and detailed forensic evidence.

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 The Security Oracle's GDS.*ai*™ Gunshot Detection System, which recognizes gunshots and provides actionable intelligence. At split-second speeds, military-grade artificial intelligence can drive multiple Bosch PTZ cameras simultaneously, empowering responding personnel to act more decisively and to minimize casualties.

Every second counts
First responders immediately need to spot the active shooter, once a shot is fired, in order to assess the situation and take immediate action while minimizing risk and casualties. This system makes all of that possible.

High quality images in all weather conditions

The Security Oracle's GDS.*ai*™ Gunshot Detection System, thanks to the Bosch Integration 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 also 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?

► The Security Oracle's GDS.*ai*™ Gunshot Detection System
► AUTODOME IP Series PTZ Cameras and/or MIC IP 7000 Series ruggedized PTZ Cameras and/or MIC IP fusion 9000i ruggedized PTZ Cameras

MIC IP 7000   MIC IP fusion 9000i

AUTODOME IP 7000

Complete security portfolio

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[1] 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.

[1] ONVIF (Open Network Video Information Forum) ensures interoperability between different products, regardless of manufacturer.

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