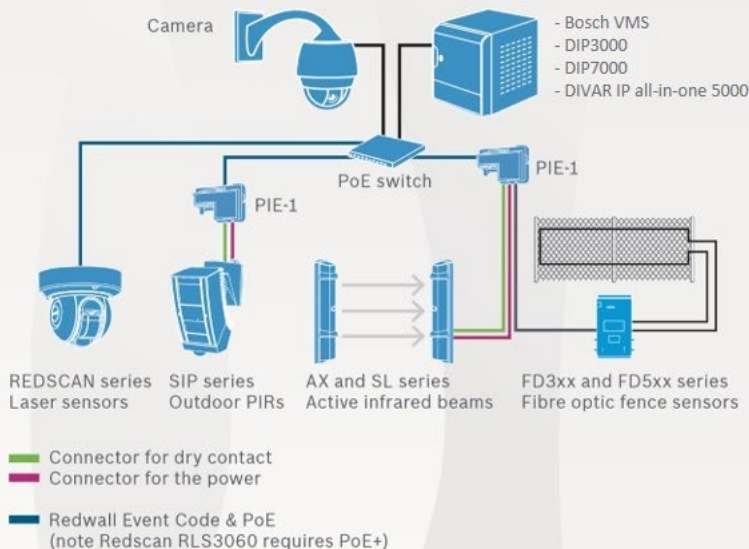# Integrated Security, Safety and Video Management Solution

Perimeter and Asset Security

Bosch Security Systems and Optex

Camera

- Bosch VMS
- DIP3000
- DIP7000
- DIVAR IP all-in-one 5000

PoE switch

PIE-1

PIE-1

REDSCAN series
Laser sensors

SIP series
Outdoor PIRs

AX and SL series
Active infrared beams

FD3xx and FD5xx series
Fibre optic fence sensors

Connector for dry contact
Connector for the power

Redwall Event Code & PoE
(note Redscan RLS3060 requires PoE+)

▶ Reliable event-triggered security systems to protect perimeters, approach, buildings, roofs and valuable or critical assets

▶ Effective and precise detection of intruders in any lighting conditions and environments

▶ All sensors are supervised by BVMS providing status information

▶ Flexibility to choose from a wide range of IP sensors and detection technologies

OPTEX

The Bosch Video Management System (BVMS) meets Optex IP motion and object detectors to provide reliable eventtriggered security systems to protect perimeters, approach, buildings, roofs and valuable or critical assets.

When used in conjunction with cameras, the Optex IP sensors help increase the effectiveness of IP video surveillance for perimeter security and eliminate the root cause of false alarms in outdoor environments. They increase motion and object detection reliability even in difficult and changing environmental conditions, where cameras are not effective for video motion detection, and provide real-time alerts to BVMS operators in order to effectively respond to events.

Optex features a range of sensing technologies to meet various needs including fibre-optic perimeter detection sensors, Redscan laser scanners, Redwall passive infrared and active infrared (photo-electric) beams.

Each IP detector's built-in event codes can be used to trigger alarms in BVMS, direct cameras to preset positions, and enhance security response time. When an Optex physical detector triggers a motion, it is possible to create a "Double Knock" IP Video Surveillance System- Alarm condition event, activating camera and video analytics to reduce false alarms caused by environmental changes.

Compatibility

Optex	Bosch Security Systems
Laser scanners Redscan RLS-3060L, RLS-3060SH, RLS-2020i, RLS-2020S **Outdoor PIRs** Redwall SIP-IP Series **PIE-1** **IP module** enabling communication to any SL series Active Infrared Beam Sets and the Fiber Sensys Alarm Processing Units APU (FD3xx and FD5xx Series)	- ATM/POS Service 1.00.00.09 - DIP3000 - DIP7000 - DIVAR IP all-in-one 5000 - Bosch Video Management System Version 7.5 or newer

The Optex IP sensors are to be deployed where outdoor intrusion detection is needed, from small medium-risk to high-security sites.

Commercial Installations

Transportation

Critical Infrastructure

Key features

Fast, immediate and accurate motion and object detection

An intrusion detected by an Optex IP sensor will trigger an alarm condition to the BVMS for an immediate response. The Optex IP sensor range send their unique alarm event code (REC) to the BVMS and trigger any cameras assigned to that event code location. The cameras will start tracking the object using the camera presets providing an accurate and fast visual verification of the incident, crucial for remote video monitoring and surveillance.
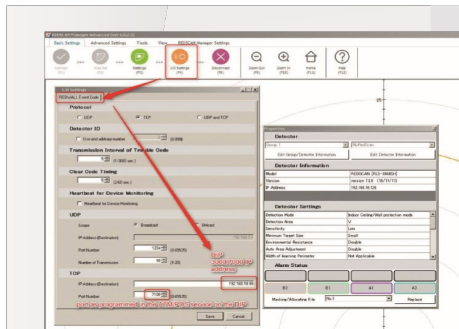
Reduced false alarms

Lowering false alarms makes IP video motion detection and surveillance effective. Too many false alarms result in the operators losing trust in the system and in some cases

disabling it altogether. The Optex IP video motion detection and surveillance 'Double Knock' solution gives optimal performance, both in terms of detection and response.
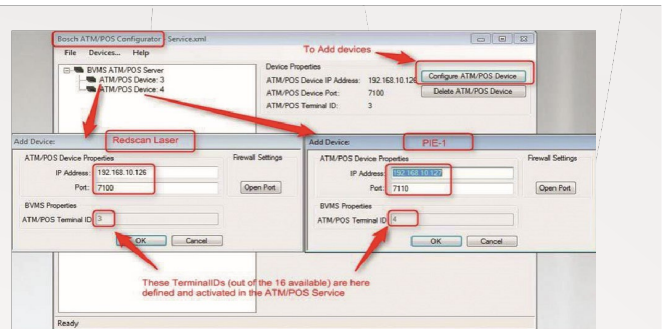
Flexibility and choice

Multiple Optex IP sensor and detection technology options gives you flexibility and choice to meet various site configurations and operational requirements for outdoor and indoor applications. The digital signal analysis built-in the sensors address environmental conditions such as sunlight, glare, reflection, vegetation sway that can reduce the effectiveness of IP video detection and surveillance. The laser sensors provide customized vertical or horizontal detection areas that provide high security ceiling, roof, facade and assets protection.

How it works

Configure the OPTEX detectors to send information to the BVMS.

The ATM/POS service will translate the information for BVMS.

The Bosch division Security Systems is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security Systems develops and manufactures in its own plants across the world. Additional information can be accessed at **www.boschsecurity.com**

Visit **https://www.boschsecurity.com/xc/en/partners** for details on the Bosch Integration Partner Program

OPTEX®, leading sensing technologies manufacturer for over 35 years, provides high performance detection devices for security, safety, business and environmental applications. For security applications OPTEX provides a wide range of intrusion detection sensors that protect all types of premises, residential, commercial and critical infrastructure, from perimeter to physical buildings. OPTEX has forged strategic global alliances and integration with leading global security companies to provide reliable outdoor and indoor security systems where reliable detection provides an essential part of the complete security solution.

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