



OPTEX

Sensing Innovation

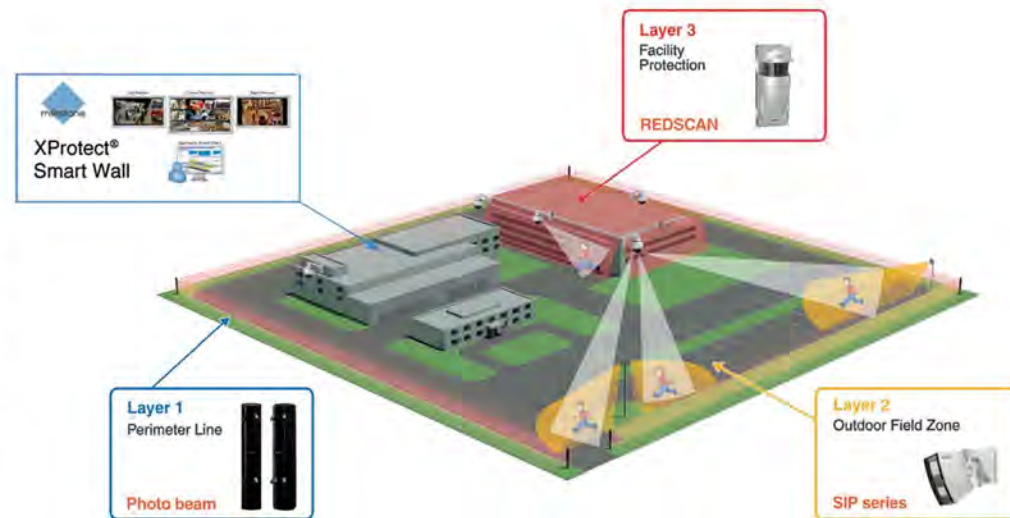
Sensing Solutions for IP CCTV Systems



REDWALL IP DETECTORS

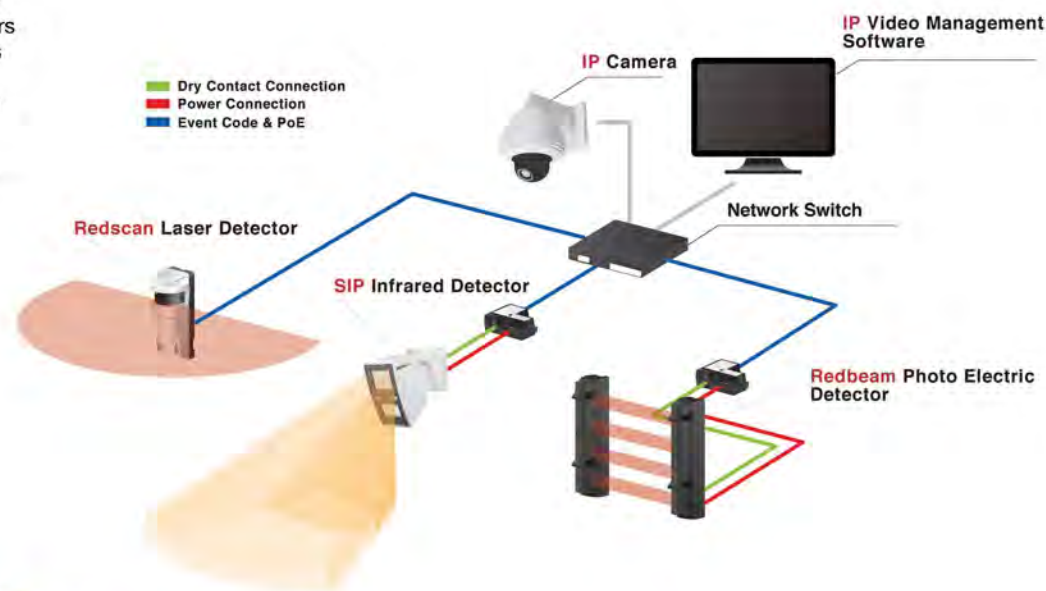
Multi-Layered Protection System

Redwall IP detectors from OPTEX are advanced products specifically designed for professional video surveillance systems. Harnessing a variety of proven infrared and laser detection technology, Redwall IP detectors can offer a complete detection solution for various external perimeter security systems integrated with IP CCTV products. Redwall IP detectors can be connected by Power-Over-Ethernet and exchange alarm signal information via IP protocol. This PoE connection allows a powerful "Multilayered protection system" which is currently being integrated with major video management software available in the market.



System Diagram

Redwall IP detectors communicate with major video management software by Redwall Event Code protocol via Power-over-Ethernet. Alarm signal information generated by Redwall IP detectors can either be used to control IP cameras for automatic tracking of an intruder's movement, or for alarm management on video management software.



Optex Technology Advantage

Whatever the need and whatever the environment, the Redwall IP detectors from OPTEX provide:

Increased Reliability of Detection

You may be using sensing technology integrated with software solutions, such as video analytics. By combining different technologies with Redwall IP detectors, you can expect false alarms to reduce dramatically. They complement each other's features and weak points.



Vertical Protection Where Cameras Cannot Work

Redwall IP detectors can create a virtual fence that detects humans, objects and hands where conventional sensing technology may be difficult to set a detection area.



Detection and Verification in One

Due to complete integration with Milestone, IP ready Redwall detectors can be fully integrated. Additionally, Redwall detector's status, as well as the video image from camera can be displayed on the screen simultaneously.



Integration With Major Video Management Software

Redwall IP detectors can be integrated with several major video management software and network video recorder manufacturers, including advanced integration with Genetec and complete integration with the Milestone software platform. Redwall IP products offer better video verification and control of your perimeter in various conditions, improving efficiency and reducing false alarms. For the latest information about an integration with other manufacturers products, please visit www.optex-vms.com

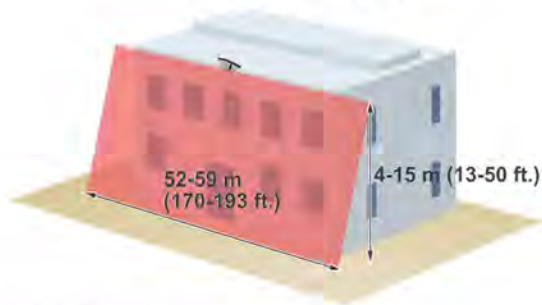
Built-in On-board Laser Analytics

Laser Detector REDSCAN Series

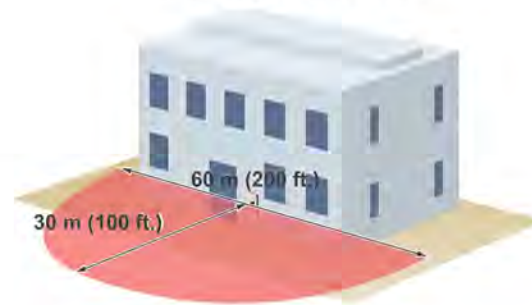


REDFSCAN is Optex's award-winning area laser sensor that configures a 100ft. radius detection area. REDSCAN detects target objects by emitting laser beams at the target and measuring the time required for the emitted beams to be reflected and returned to the detector. It can identify the size, speed and distance of moving object and can function in effect like an invisible wall. Setting the detection area is simple; using the set-up software "REDFSCAN Manager" on your PC allows you to either customize or automatically set your preferred detection area. Because the laser scan is very directional, customers are able to position the Redscan detector in a vertical or horizontal plane for object detection in a variety of conditions that cameras cannot capture.

Vertical Detection



Horizontal Detection



Models REDSCAN Series



POE RLS-3060L
Power over Ethernet

- 100ft. radius for 190 degrees range
- Vertical and horizontal mounting
- Unique detection algorithm
- Automatic area setting function
- 4 independently adjustable detection areas and 4 linked outputs for PTZ camera control
- Fog cancellation algorithm (patent listed)
- Scene selection (outdoor and indoor)
- IP66 housing



POE RLS-3060SH
Power over Ethernet

- Same features as the RLS-3060L
- Scene selection (outdoor, indoor, indoor ceiling/wall protection and vehicle)
- 8 independently adjustable detection areas
- Built-in heater

Configuration Software REDSCAN Manager



IP connection

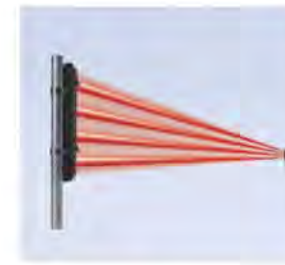


Note PC



Infrared Trip Wire

Photo Beam Detector REDBEAM Series



REDFBEAM series is a photo beam detector that consists of a pair of transmitters and receiver units for line protection. The transmitter unit constantly emits photo beams to the receiver unit; REDBEAM series generates an alarm signal when an intruder breaks the perimeter line detection area between transmitter and receiver unit. It can also offer a line detection area similar to a trip wire for video analytics. OPTEX is one of the market leaders of photo beam detectors in the world, its proven technology and know-how offer various features that assist with reliable detection and minimize false alarms in harsh outdoor environments along with various ideas for easy set-up.

Models REDBEAM Series

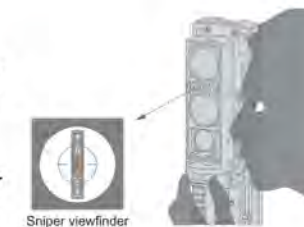


POE RBM-60QN 200ft. Range
POE RBM-100QN 350ft. Range

- Sniper viewfinder™ with 2X magnification
- Vivid interior color
- IP65 water proof structure
- Quad beam with aspherical lenses

Sniper viewfinder with 2X magnification

False and missed alarms caused by fog and other factors can be reduced if optimal alignment is achieved initially. The SL-350QFR's new Sniper Viewfinder telescope lens allows a high level of visibility and magnification for optical alignment work. Even at maximum installation distance, the new Sniper Viewfinder increases the probability of optimal alignment.



- Vivid interior color**
Easy-to-see vivid interior color for optical alignment.
- Alignment dial**
Alignment no longer requires a screwdriver. The new dial allows for precise adjustment using fingers.
- Quad beam with aspherical lenses**
The high-grade aspherical lens create more sharply defined and precise active infrared beams.

IP65 Protection



Rubber packing is used for all conceivable points where water or dust may penetrate, such as wiring holes, wire ports and the outer opening on chassis.

Volumetric Detection Coverage

Passive Infrared Detector SIP Series

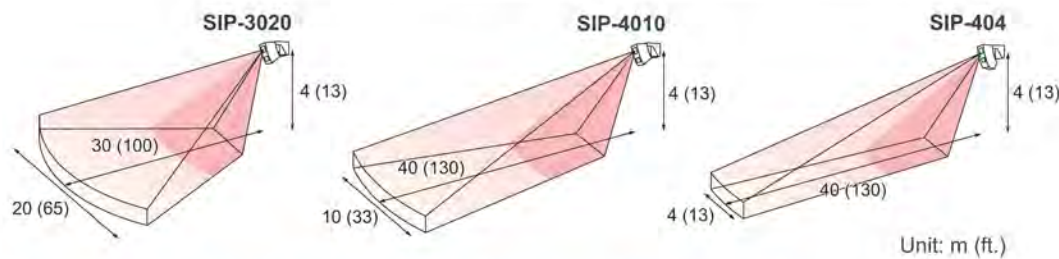
The REDWALL SIP series is one of most well respected detectors in the world. These cost effective detectors benefit from intelligent detection and passive infrared technology (PIR). PIR detectors generate an alarm signal when intruders enter into the detection area by judging the temperature difference in the detection area, temperature of the intruder and background temperature in the detection area. The SIP series is specially designed for CCTV systems to trigger a camera, Network Video Recorder or Video Management Software, meeting the demands of the professional CCTV market. They offer various volumetric detection areas for outdoor space protection including 100ft. wide angle and 330ft. long range models. Each detector is equipped with OPTEX's latest sensing technologies to reduce of false alarms, offer quick and reliable installation and protect the detector from vandalism.

Models SIP Series



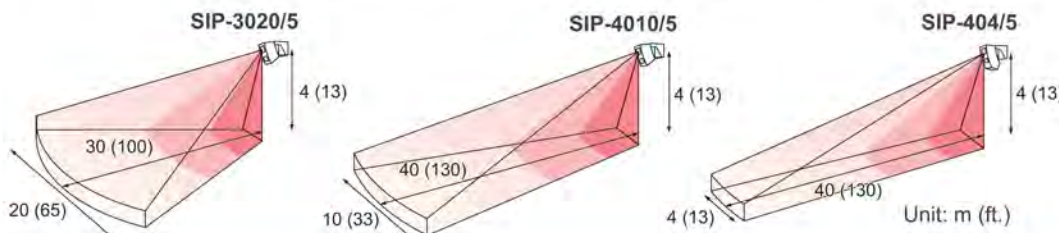
SIP-3020, SIP-4010, SIP-404

- Volumetric detection area
- Intelligent PIR detection system
- Automatic sensitivity management to ambient temperature and light
- Advanced detection algorithm
- Three dual pyro-elements with patented Double Conductive Shielding
- Anti-vandalism functions including anti-masking and anti-rotation function with 3-axis accelerometer
- 7.6ft to 13ft mounting height
- Unique detection algorithm
- 4 independently adjustable detection areas



SIP-3020/5, SIP-4010/5, SIP-4040/5

- Creep zone detection area to cover under the detector unit
- Same features as SIP-3020, SIP-4010, SIP-404



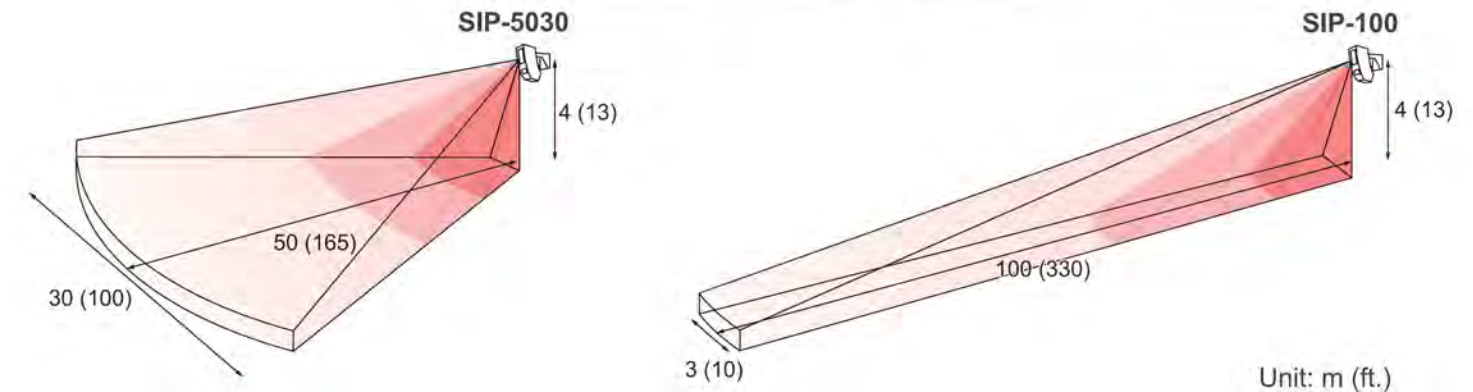
Passive Infrared Detector SIP Series



SIP-5030, SIP-100

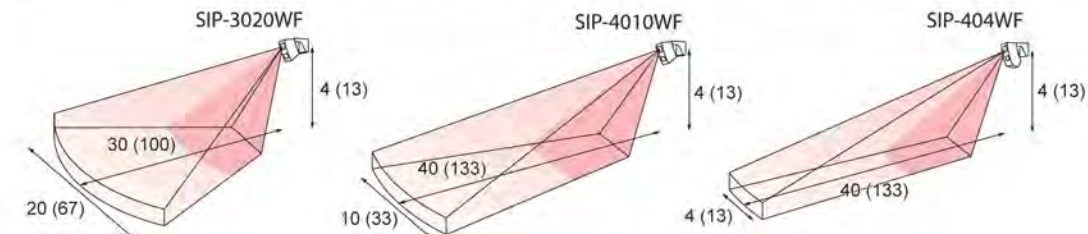


- Volumetric detection area
- 2 in one detectors with an independent creep zone sensor unit (SIP-5030)
- 3 independent alarm output ideal for PTZ camera control (SIP-100)
- Intelligent PIR detection system
- Automatic sensitivity management to ambient temperature and light
- Advanced detection algorithm
- Double dual/one Quad pyro-elements with patented Double Conductive Shielding for main area
- Anti-vandalism functions including anti-masking and anti-rotation with 3-axis accelerometer
- 7.6ft to 13ft mounting height
- Independent sensitivity for creep/near and far detection zones



SIP-3020WF, SIP-4010WF, SIP-404WF

- Same features as SIP-3020, SIP-4010, SIP-404
- Battery operated
- Compatible with most wireless transmitters



Control IP Cameras Via Video Monitoring Software

PoE IP Encoder (PIE-1)

The Optex PoE IP encoder (PIE-1) offers extreme flexibility for any Optex sensor to be easily added to an VMS-powered security network. The unit has 2 RJ45 (one as the network input, one as a pass-through output) and enough wire-lead analog and power inputs to integrate with any Optex sensor. The PIE-1 fits in a standard double-gang box and acts as power-splitter and Redwall Event Command encoder to send the ASCII alarm command(s) back to the network.



Mapping Plugin Software for Milestone

HawkEye Site Mapping Module



The Open Platform Company

The HawkEye Site mapping module is the next evolution in GeoSpatial Intelligence. Create a custom GPS map within minutes by precisely placing cameras and sensors on a blueprint or satellite image of your facility. Receive real-time updates from your Optex Sensors – icons blink when targets enter their field of view. Access multiple camera feeds and sensor reads with a click of the mouse. Monitor your security network within a single screen of your VMS. HawkEye Site is easy to configure, easy to use and provides true situational awareness with a birds' eye view.



OPTEX specializes in indoor and outdoor passive and active infrared technology, including a wide variety of hardwired and battery-powered outdoor detectors and photobeams, specialized sensors to trigger CCTV systems and a one-of-a-kind Class-1 Laser detector for high security applications. Our diverse product offering allows our customers a total security solution.

Since its founding in 1979, Optex has established a worldwide reputation for quality, innovation, and technical excellence. Our products always represent an investment in performance and long-term satisfaction.

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