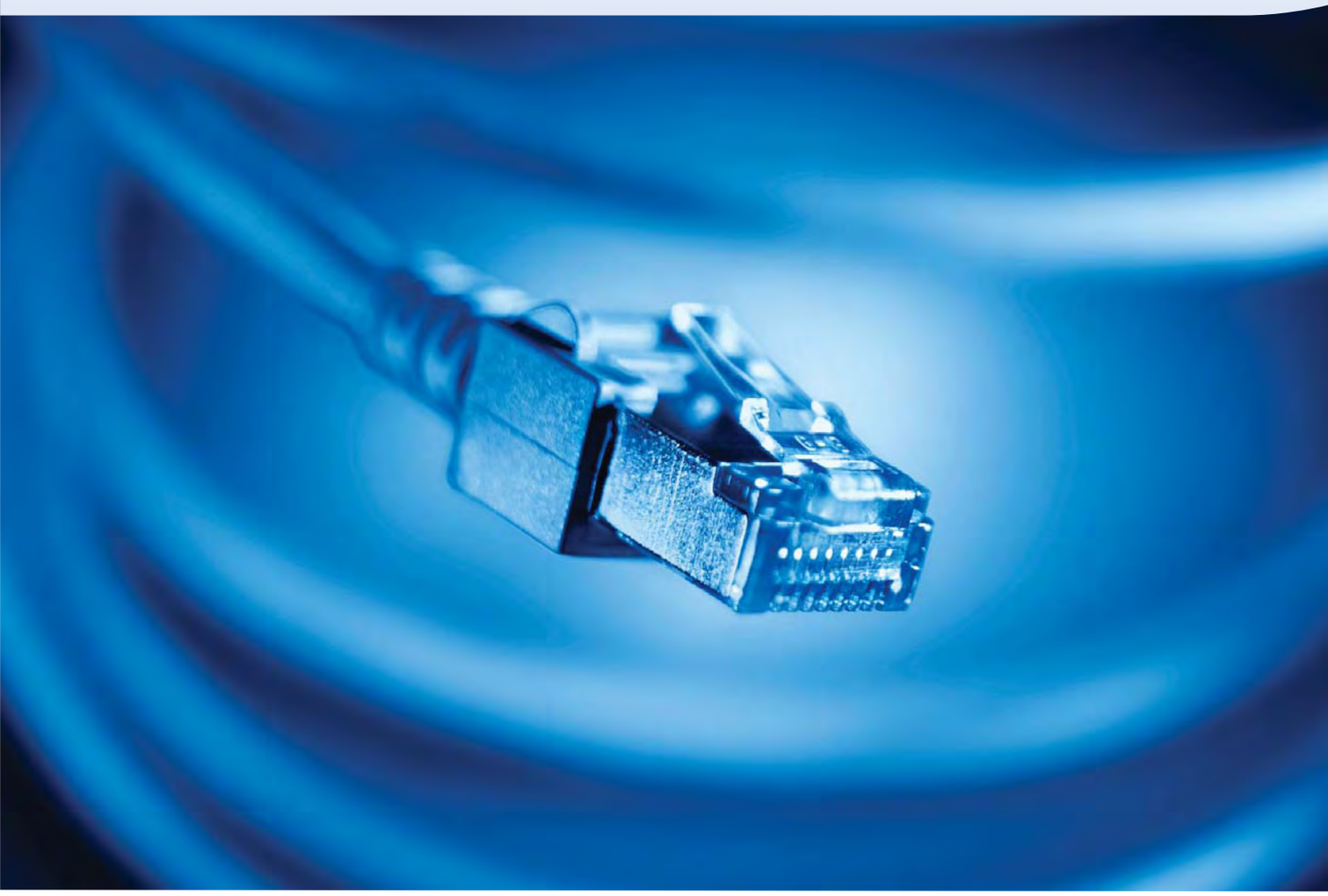
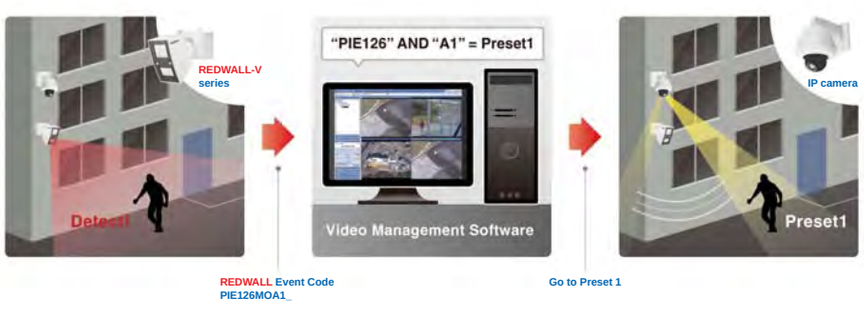
Redwall IP Detectors Line Up

Professional Sensing Solution for IP CCTV Systems



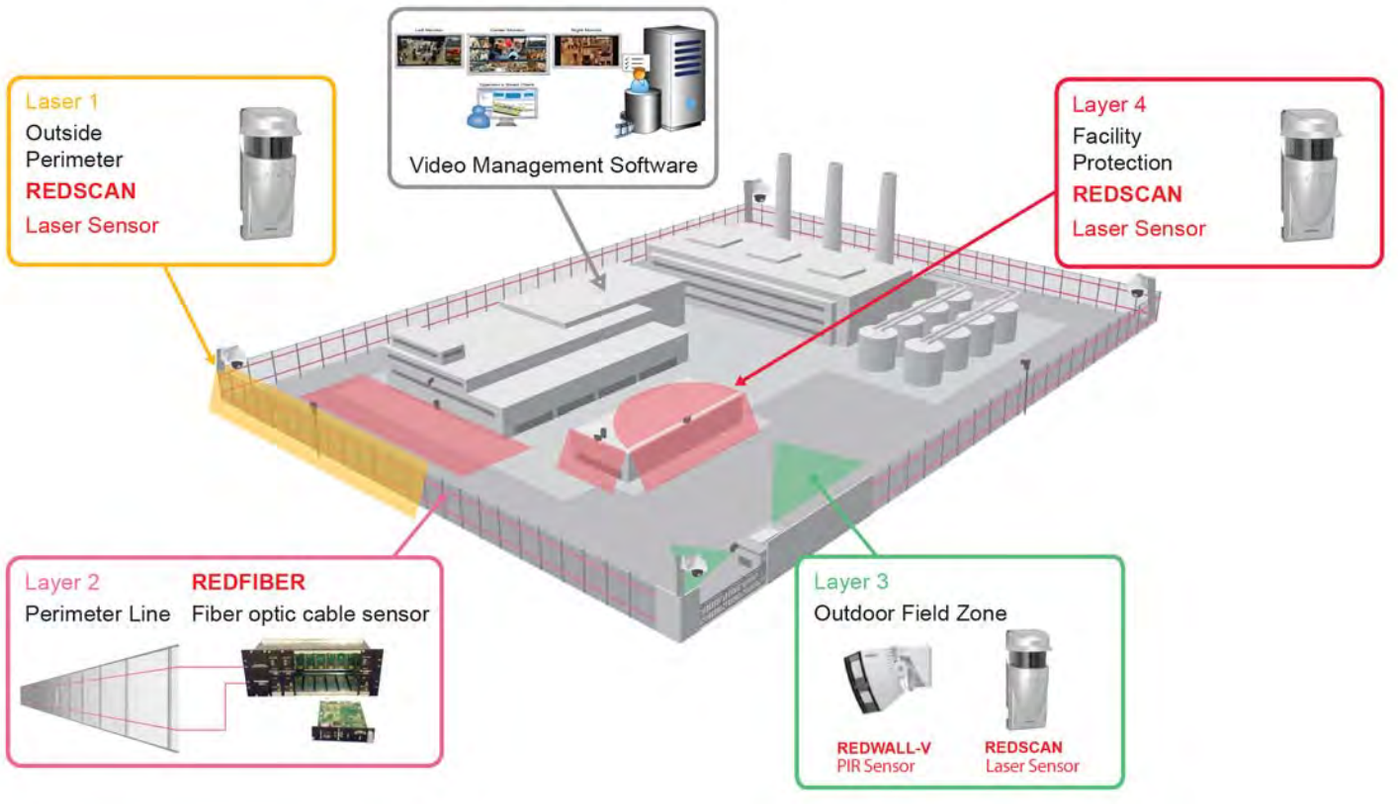
Control IP Camera via Video Management Software



www.optex-europe.com

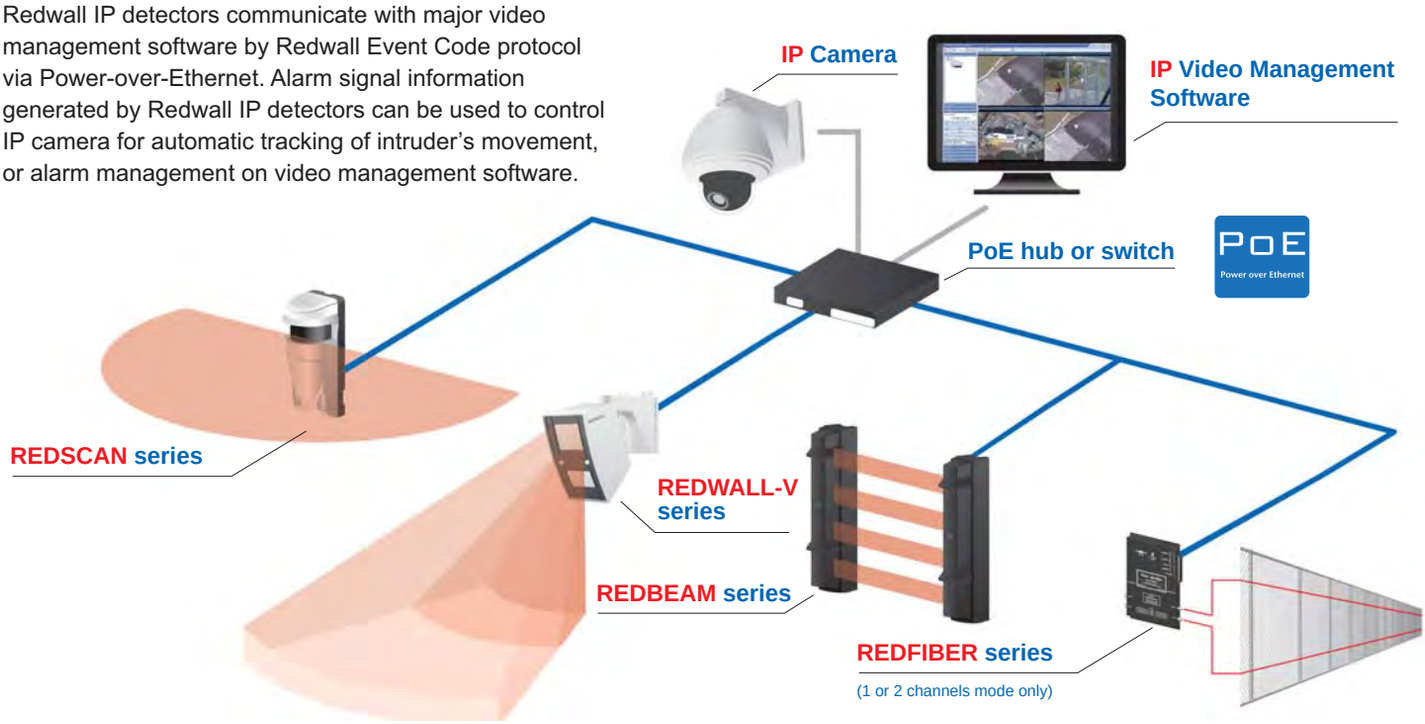
Multi-layered protection system

Redwall IP detectors from OPTEX are advanced products especially designed for professional video surveillance systems. Harnessing a variety of proven technology for detection, infrared, laser and fiber optics from 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, offering a powerful perimeter security system “Multi-layered protection system” which is 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 be used to control IP camera for automatic tracking of intruder’s movement, or alarm management on video management software.

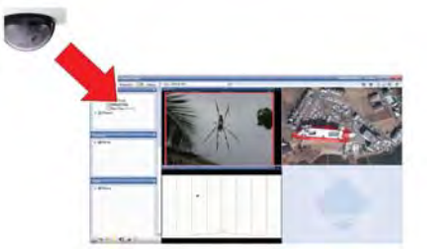


Optex Technology Advantage

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

Increased reliability of detection

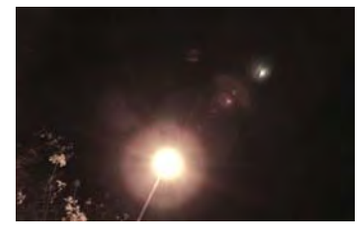
You may be using sensing technology integrated with software solutions, such as video analytics. By combining different technologies with Redwall IP detectors, you can expect false alarms to reduce dramatically. They complement each other features and weak points.



Reduction of false alarms caused by insects and/or spider webs on a camera cover



Sharp detection in low illuminance environment



False alarm reduction by sudden light level change

Vertical Protection Where Camera Cannot Work

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



Virtual wall area with some angle to detect approaching vehicle.



Narrow Space Detection for sterile area



Virtual fence detection area for uneven ground

Detection and Verification in One

Due to advanced integration with Milestone Xprotect series, IP ready Redwall detectors can be fully integrated and Redwall detectors status, as well as the video image from camera can be displayed on the screen.



milestone
The Open Platform Company

Integration with major video management software

Redwall IP detectors can be integrated with several major video management software and network video recorder manufacturer, some of which are listed below. From advanced integration with Genetec and Axxonsoft, to complete integration with 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 manufactures products, please visit www.optex-europe.com/ipproducts

milestone
The Open Platform Company

Genetec

axxon
Video Surveillance and Security Solutions

JVC

* As of October 2012

Intelligent Object Analysis

Laser Technology Detector **REDSCAN** Series

REDSCAN is Optex's award-winning area laser sensor that configures a 30m 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 “REDSCAN Manager” to be installed on your PC which can visualise detection area status and can draw preferable detection area on your PC. With a minimum time for the set-up, REDSCAN operates stable in hard outdoor environment thanks to the special algorithm developed by OPTEX from its many years of specialist knowledge and experience as a market leader in external detection.

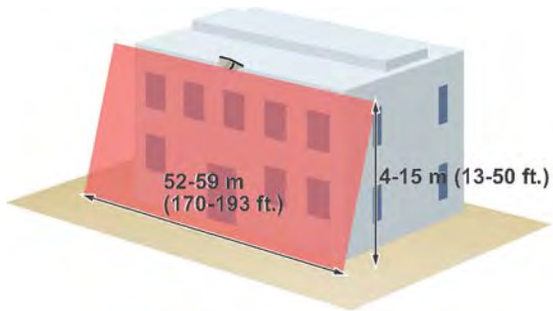


PoE Power over Ethernet

RLS-3060L-POE

- 30 m 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

Vertical Detection Zone



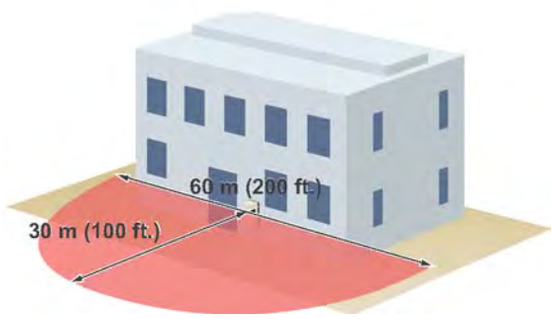


PoE Power over Ethernet

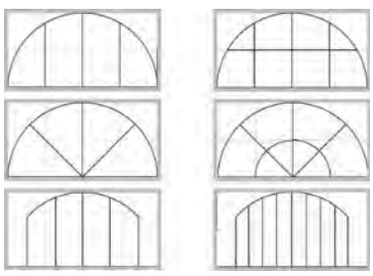
RLS-3060SH-POE

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

Horizontal Detection Zone



4 zones **8 zones**



Configuration Software REDSCAN Manager
(optional)

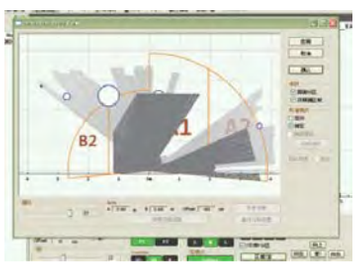
REDSCAN



IP connection



Note PC



Volumetric Detection Coverage

Passive Infrared Detector **REDWALL-V** Series

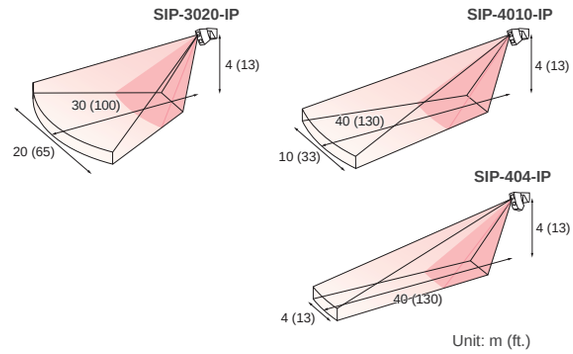
REDWALL–V series is one of most well respected detectors in the world. These cost effective detectors benefit from intelligent detection and passive infrared technology (PIR). PIR detectors generate an alarm signal when intruders enter into the detection area by judging the temperature difference in the detection area, temperature of the intruder and background temperature in the detection area. REDWALL-V 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. The REDWALL-V series offers various volumetric detection area products for outdoor space protection from 30m wide angle to 100m long range. Each detector is equipped with five (V) of OPTEX's latest sensing technologies which offer: 1) Reduction of False Alarm 2) Quick and Reliable Installation 3) Protection from Vandalism.



PoE
Power over Ethernet

SIP-3020-IP, SIP-4010-IP, SIP-404-IP

- 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
- 2.3m to 4m mounting height
- Unique detection algorithm
- 4 independently adjustable detection areas

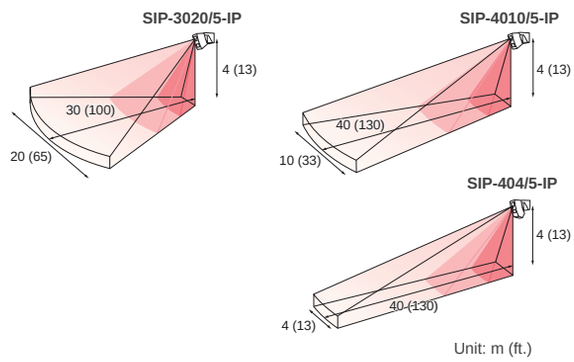




PoE
Power over Ethernet

SIP-3020/5-IP, SIP-4010/5-IP, SIP-404/5-IP

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

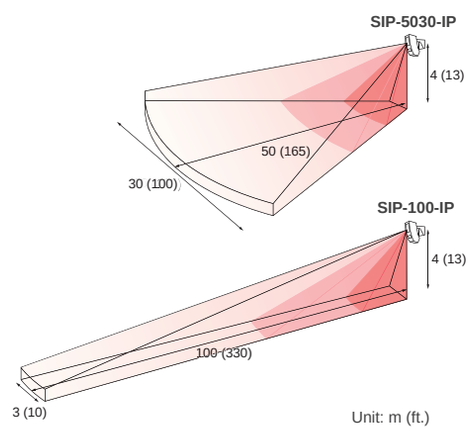




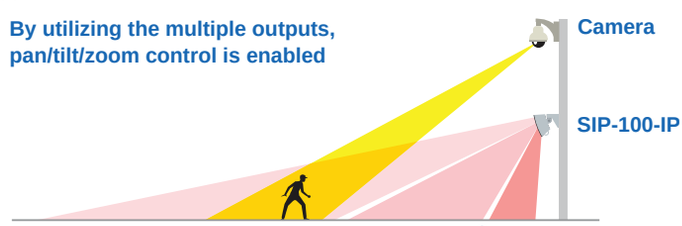
PoE
Power over Ethernet

SIP-5030-IP, SIP-100-IP

- Volumetric detection area
- 2 in one detectors with an independent creep zone sensor unit (SIP-5030-IP)
- 3 independent alarm output ideal for PTZ camera control (SIP-100-IP)
- 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 function with 3-axis accelerometer
- 2.3m to 4m mounting height
- Independent sensitivity for creep/near and far detection zones



By utilizing the multiple outputs, pan/tilt/zoom control is enabled



Infrared Trip Wire

Photo Beam Detector **REDBEAM** Series

REDBEAM 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 minimise false alarms in harsh outdoor environments along with various ideas for easy set-up.

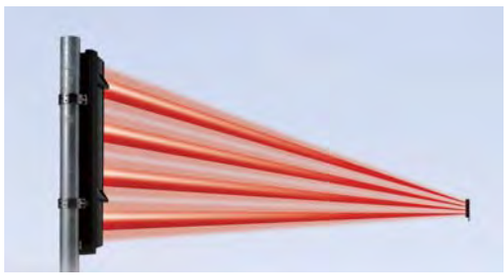


Transmitter unit | Receiver unit

PoE Power over Ethernet

BM-60QN-IP RBM-100QN-IP RBM-200QN-IP

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



Detection Distance:
RBM-60QN-IP 60m
RBM-100QN-IP 100m
RBM-200QN-IP 200m

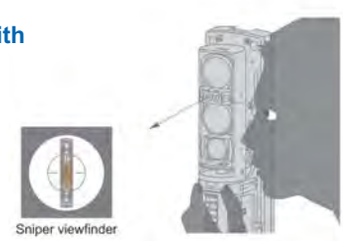
Wild beam & United appearance

The short range mode, Redbeam with a wide beam pitch is now available. It dramatically reduces false alarms caused by birds and falling leaves. Moreover, it is also important that forms of long and short beams are united.



Sniper viewfinder with 2X magnification

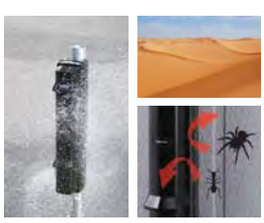
The new telescope lens has a high level of visibility for optical alignment work.



Sniper viewfinder

IP65 water proof structure

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.





Vivid interior colour

Easy-to-see vivid interior colour for optical alignment.

Alignment dial

The alignment no longer requires a screwdriver. All you need is a touch by your fingers for precise adjustment.

Quad beam with aspherical lenses

The high-grade aspherical lens create more sharply defined and precise active infrared beams.

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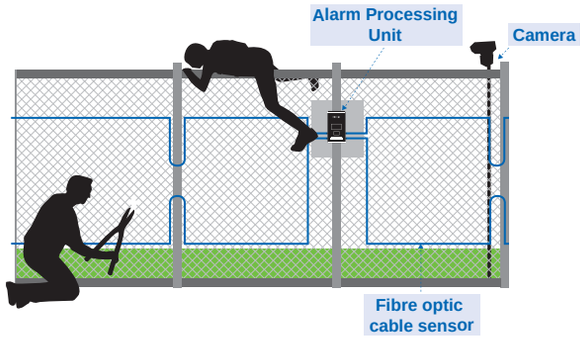
Fence Protection

Fiber Optic Sensor **REDFIBER** Series

Harnessing the latest fibre optic technology – and with the ability to be mounted on fences or in walls – the REDFIBER series use sophisticated algorithms to detect intruders who are attempting to climb over, crawl under, or cut through a perimeter line. These algorithms are also able to distinguish between genuine intruders and nuisance alarms that might be caused by wind or small animals. Unlike metallic (coaxial) sensors, the advanced fibre-optic sensing is unaffected by harsh environments, including UV radiation, moisture, salt, or even lightning strikes.

PoE
Power over Ethernet









Accessories



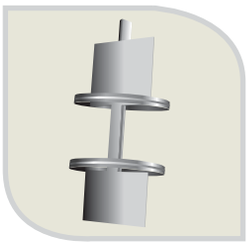
AWT-3
Area Walk Tester
for REDSCAN Series
REDWALL-V Series



AVF-1
Area View Finder for
REDWALL-V Series



SIP-AT
SIP Adjustment
Tools (including
AWT-3 and AVF-1)
for REDSCAN Series
REDWALL-V Series



SIPIP-PB
Pole mount bracket
to install SIP-IP series
detector



RLS-AT
RLS Adjustment
Tool kit (Including
REDSCAN MANAGER
Setup software
and LAC-1) for
REDSCAN Series



SIP-HU
Heating Unit for
REDWALL-V Series

OPTEX
Sensing Innovation

OPTEX, a leading sensor manufacturer, provides a range of quality detection systems based on infra red, microwave, laser and fibre optic technologies, to help protect any site from intrusion. Using proven technologies, OPTEX delivers multi-layered perimeter protection that secures the immediate surroundings of the perimeter, the actual perimeter line (being a fence, a wall or just a virtual line) and the site area itself. Its systems are featured in thousands of installations worldwide, from military and government facilities to power stations and other sites of critical infrastructure.

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