

LiDAR solutions for intrusion detection, presence sensing and asset protection

Customisable protection for high security applications

OPTEX REDSCAN Pro LiDAR Series

Extremely reliable and versatile, the award-winning REDSCAN Pro sensors use LiDAR technology to create a high resolution virtual laser wall or plane up to 100m (330ft), ideal to protect perimeters, buildings, roofs and assets.








Featuring onboard sensing analytics, REDSCAN LiDARs will detect accurately, even in changing weather and lighting conditions, the size and distance of the moving or loitering objects and track them to the exact X and Y coordinates.

To meet the individual needs of every site, REDSCAN Pro features intelligent multi-zone logic which means that the target size, sensitivity and output can be customised and adjusted to the assessed risk per zone.

REDSKAN Pro also features a built-in assistance camera for configuration and post-alarm analysis. This helps security teams reviewing the alarms and check if settings need to be adjusted.



The OPTEX REDSCAN Pro integrates with Genetec Security Center and Restricted Security Area (RSA). Genetec fully integrates all OPTEX sensing data including:

-  X / Y Coordinate Information
-  REDSCAN Pro Visual Assistance Camera Module
-  Detection Target Size
-  Detection Area Information
-  Area Allocated Alarm Zones
-  Detector ID
-  Status Events: Alarm, Trouble, Tamper

Device Models: RLS-50100V | RLS-3060V

With this data, Genetec Integration can detect, track, and classify objects while overlaying all the information over a GPS map. Users can also directly acknowledge intrusion alarms on the map, as well as use the reporting tasks function for focused investigations.

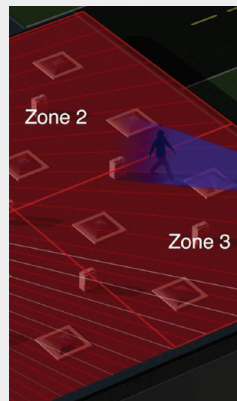
Unique to OPTEX REDSCAN Pro is the ability to visualise your alarm data on a vertical GPS map. Any fence line or building can now be secured and monitored with pinpoint accuracy. RSA can group video surveillance, access control and other sensing technologies allowing you to maximise your restricted security area rules while minimising nuisance events.

Features and Benefits



Long Distance Detection Accuracy

RESCAN Pro accurately detects objects at long distances with high resolution, for horizontal & vertical security applications. It can be mounted outdoor or indoor and provides precise detection wherever the moving object is located within the detection area.



Dynamic Event Filtering

RESCAN Pro alerts can be configured to meet specific detection criteria or logic, for instance alarms can be raised based on the sequence of zone detection. This feature allows to filter events and focus on what really matters to the security team.



Enhanced Network Security

Network security is imperative! The REDSCAN Pro is compliant with HTTPs, SNMPv3, IEEE802.1X, offering secure and reliable connection to the internet.



Stable Performance In Adverse Weather

RESCAN Pro features environmental resistance function to provide effective detection even in the harshest conditions like fog or snow. It can operate from -20 (or -40 with heated lens) to +60 degrees.

Key Applications



Intrusion Detection

- Critical Infrastructure
- Facility Protection
- Rooftop
- Wall Protection
- High End Residential
- Perimeter Detection



Presence Sensing

- Loitering Detection
- High Security Corridors
- Restricted Security Areas
- Transit Platforms
- Tunnel Entrance
- Turnstiles



Asset Protection

- Data Center Server Rooms
- Medical Marijuana Greenhouse
- Distribution Centers
- Storage Rooms
- Valuable Inventory

Security Management

There are a number of options to integrate the Genetec + OPEX REDSCAN Pro solution into the Security Center Unified Platform:

ONVIF Profile S Camera Integration



Allows you to receive Redscan Pro Visualization Assistance Camera into Security Center.



ONVIF is a trademark of Onvif, Inc.

RSA Standard Plugin

Allows you to receive basic Redwall Event Code Events (R.E.C) from REDSCAN Pro.



RSA Professional Plugin

Basic R.E.C. Events, Target Tracking, Vertical Point Mapping. 1 device license required for each REDSCAN Pro, up to 20 units.



RSA Enterprise Plugin

Basic R.E.C. Events, Target Tracking, Vertical Point Mapping. 1 device license required for unlimited REDSCAN Pro units.



OPTEX detectors help organisations build a stronger security system

Every security system needs to be triggered by an event and it is usually the fact that a person, object or vehicle is moving or entering into an area.

OPTEX solutions are designed to detect physical intrusion and unauthorized access which still account for a huge proportion of threats. They are a key element of the security system to alert at the right time and prevent damages or theft.

OPTEX is the world leader in sensing solutions. Founded in 1979 in Japan, OPTEX specializes in security sensing solutions utilising laser, fibre-optic, passive and active infrared detection technology. Its intrusion detection systems are respected globally with applications deployed at some of the world's most critical security sites.