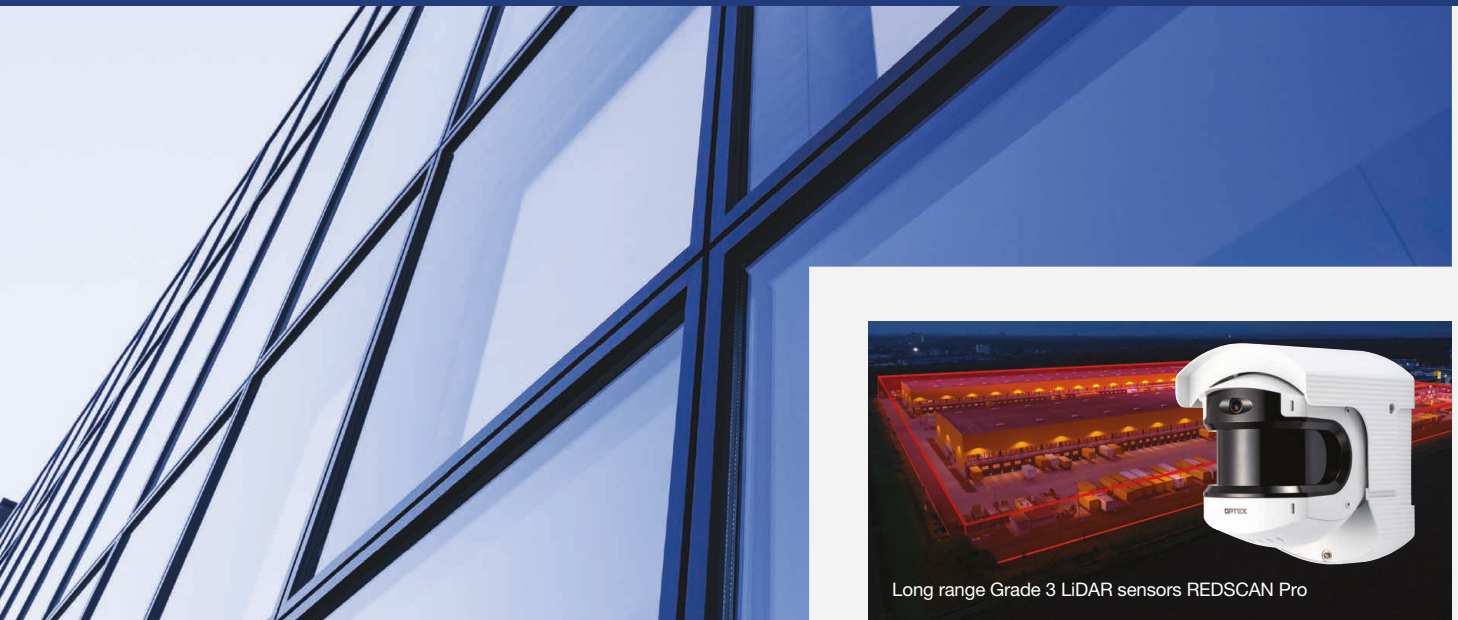


LiDAR solutions for intrusion detection, presence sensing and asset protection

Customisable protection for high security applications



OPTEX REDSCAN LiDAR Series

Extremely reliable and versatile, the award-winning REDSCAN sensors use LiDAR technology to create a high-resolution virtual laser wall or plane, ideal to protect perimeters, buildings, roofs and assets.

Featuring onboard sensing analytics, REDSCAN can detect a moving or loitering object's size and distance from the detector and process that information with a unique built-in algorithm, which results in high-reliability detection with minimal false alarms.

The REDSCAN series offers long-range and short-range LiDAR sensors. Long-range models include Pro RLS-3060V (30m x 60m) and RLS-50100V (50m x 100m). Short-range options comprise mini-Pro (RLS-2020A, RLS-2020V) and mini series (RLS-2020I, RLS-2020S), all covering 20m x 20m. These LiDARs cater to various detection and security needs.



Long range Grade 3 LiDAR sensors REDSCAN Pro



Short range Grade 3 LiDAR sensors REDSCAN Mini



Short range LiDAR REDSCAN mini-Pro with integrated IR camera

OPTEX REDSCAN sensors work seamlessly together with Milestone XProtect® integrating OPTEX sensing data including:



Visual Assistance Camera Module (RLS-2020V, RLS-3060V, RLS-50100V)



X / Y Coordinate, Target Size and Detection Area Information (RLS-2020I & RLS-2020S)



Area Allocated Alarm Zones



Detector ID



Status Events: Alarm, Trouble, Tamper

REDSKAN LiDAR is a stand-alone product which was designed to enhance video surveillance applications. It can be connected to any Milestone platform to create accurate event alarms in even the harshest of environments, enabling PTZ cameras to pre-set positions to identify any threats.

REDSKAN LiDAR has intelligent detection analysis functions and customisable detection algorithm parameters that enhance video surveillance and create a smarter event-driven security system.

REDSKAN sensors can be installed directly on an IP security network and/or utilise relay outputs providing system redundancy.

Features and Benefits



Versatile highly accurate detection

REDSKAN LiDAR accurately detect objects with high resolution, for horizontal and vertical security applications. It can be mounted outdoor or indoor and provides precise detection wherever the object is located within the detection area.



Independent detection zones

With REDSCAN Pro and mini-Pro it is possible to create up to 6 different detection zones and with REDSCAN Mini up to 4 zones, meaning that the target size, sensitivity and output can be customized and adjusted to the assessed risk per zone.

REDSKAN Pro and mini-Pro Additional Features



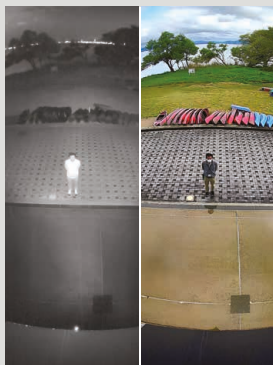
Enhanced network security

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



Stable performance in adverse weather

REDSKAN Pro and mini-Pro feature 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°.



Camera integration for comprehensive analysis

RLS-2020V model comes equipped with an integrated IR LED camera, adding an extra layer of security intelligence. While the LiDAR sensor detects any suspicious activity, the camera verifies the cause, capturing and saving detailed logs and images in its internal memory.

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
- Pharmaceutical facilities
- Distribution Centers
- Storage Rooms
- Valuable Inventory

Security Management

OPTEX REDSCAN LiDARs integrate with Milestone XProtect® video management software (VMS).

R.E.C. IP integration with REDSCAN Mini



TCP communication protocol allows REDSCAN Mini models to pass on the sensing data to Milestone XProtect®.

REDSCAN Mini models:

- RLS-2020I: Indoor 20x20m, 95°
- RLS-2020S: Outdoor/Indoor 20x20m, 95°

ONVIF Profile S integration with REDSCAN mini-Pro



Enables the integration of the Redscan mini-Pro visualization assistance camera, motion alarm, and up to six digital inputs into Milestone XProtect®.

REDSCAN mini-Pro models:

- RLS-2020V Outdoor/Indoor 20 x 20m, 95° with camera
- RLS-2020A Outdoor/Indoor 20x20m, 95°

ONVIF Profile S integration with REDSCAN Pro



Allows you to receive REDSCAN Pro visualization assistance camera, motion alarm, and up to 6 digital inputs, into Milestone XProtect®.

REDSCAN mini-Pro models:

- RLS-50100V Outdoor/Indoor 50x100m, 190° with camera
- RLS-3060V Outdoor/Indoor 30x60m, 190° with camera

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.