OPTEX
Sensing Innovation

REDSCAN mini-Pro

Advanced LiDAR sensors for indoor/ outdoor
high-security applications

RLS-2020A

20m x 20m (65 x 65 ft.) LiDAR

RLS-2020V

**20m x 20m (65 x 65 ft.) LiDAR
with built-in IR FHD camera**

Extremely accurate intrusion detection
sensors using time-of-flight technology
to identify the size, location and
distance of moving or loitering objects
and track them to the exact X and Y
coordinates. Now with built-in IR
camera for verification and recording.

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REDSCAN mini-Pro detects threats proactively with pinpoint accuracy not affected by variable lighting, temperature or weather conditions.

- X / Y Coordinate Information
- Detection Target Size
- Detection Area Information
- Privacy-compliant solution by collecting only anonymized 2D data
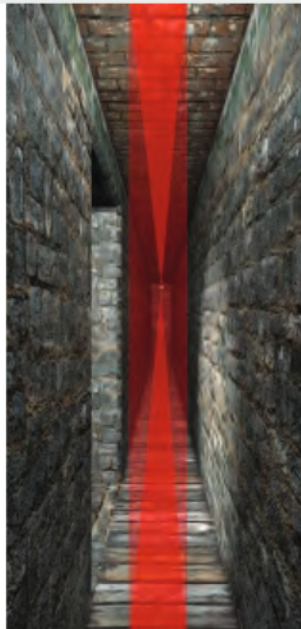- Optional built-in camera for visual verification and recording

Key Applications:

- Valuable assets and restricted areas
- Rooftops and skylights
- Building facades
- Perimeters and gates
- Narrow corridors
- Under floor and ceiling
- Tunnel applications and rail crossings

Key Features

Intelligent analytics

REDSCAN mini-Pro uses LiDAR technology to accurately detect even in complete darkness and complex environments, for instance in narrow spaces and badly illuminated areas. Wherever the target or targets are within the detection area they will be detected and visualized instantly at 100msec with angular resolution of 0.125 degrees.

Customisable detection areas

REDSCAN mini-Pro allows flexible mounting options providing a high resolution 20m x 20m horizontal, vertical or angled detection area.

It allows to create up to 8 independent detection zones and set the detection parameters according to the installation environment and the target object.

Environmental resistance

REDSCAN mini-Pro features auto adjustment area to adapt to the ground level and environmental resistance function to provide effective detection even in the harshest weather conditions. It can operate from -40.

Dynamic event filtering

Real-time analysis and filtering of events based on a certain logic helps security teams be more efficient and prioritise their response to the most critical incidents.

For instance, to alert if the target is walking in a certain direction or accessing an unauthorised area, such as a tunnel entrance.