**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>RLS-2020I</th>
<th>RLS-3060L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>146 x 160 x 160 mm (5.8 x 6.3 x 6.3 inch)</td>
<td>334 x 144 x 155 mm (13.2 x 5.7 x 6.1 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.0 kg (2.2 lb)</td>
<td>7.7 kg (16.9 lb)</td>
</tr>
<tr>
<td>Power input</td>
<td>10.5 to 30 VDC, PoE (IEEE802.3af/at compliant)</td>
<td>24 VDC, 24 VAC</td>
</tr>
<tr>
<td>Power draw</td>
<td>500 mA max. (12 VDC), 250mA max. (24 VDC), 6W max. (PoE)</td>
<td>400 mA max. (24 VDC)</td>
</tr>
<tr>
<td>Detection range</td>
<td>50 x 100 m, 190 degree (approx. 165 x 330 ft.)</td>
<td>30 x 60 m, 190 degree (approx. 100 x 200 ft.)</td>
</tr>
<tr>
<td>Current draw</td>
<td>0.25 degree / within 25msec</td>
<td>0.25 degrees / within 75msec to 1 minute</td>
</tr>
<tr>
<td>Alarm period</td>
<td>Approx. 2 sec delay timer</td>
<td>Approx. 2 second delay timer</td>
</tr>
</tbody>
</table>

**RS-2020 Series**

- **2020-PDMA:** Pendant Mount
- **2020-RMA:** Multi Angle Wall Mounting Bracket
- **2020-NMA:** Adjustable Extension Wall/Spider

**RS-3060 Series**

- **2020-WMA:** Wall Mount Arm Bracket
- **RLS-LWV:** Replacement Window for RLS-3060 & RLS-30100
- **RLS-LWVH:** Replacement Window with heater unit for RLS-3060 & RLS-30100

Applications include:
- Power plants, substations, border protection, correctional facilities, data centers, distribution centers, airports, water treatment plants, ports, warehouses, museums & art galleries, financial institutions, hospitals, and schools.

For more information about the REDSCAN Series

Please contact us at:

800.966.7839
sales@optexamerica.com

www.optexamerica.com
The RLS-3060 series is an innovative laser scan detector that identifies a moving object's size, speed, and distance from the detector. It processes that information with a unique algorithm, providing a highly reliable detection system with minimal false alarms.

**FEATURES**
- 30m (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)

**RLS-3060L**
- Scene selection (indoor / outdoor)

**RLS-3060S**
- Scene selection (indoor, indoor ceiling/wall protection and vehicle)
- 8 independently adjustable detection areas and Redwall event codes for network recorder and video management software
- Built-in heater

The REDSCAN PRO series can very accurately detect intruders to a range of 165 x 330 ft (50 x 100 m), without any gaps and keeping the same detection resolution near and far into the detection range. Equipped with OPTEX’s most advanced technology, the REDSCAN PRO provides excellent detection performance that won’t be affected by variable lighting, temperature or environmental changes, making it the best solution for high security sites.

**FEATURES**
- RLS-3060V: 30 x 60 m (approx. 100 x 200 ft.)
- Very high detection resolution: 0.125º
- Vertical and horizontal mounting
- Selectable installation method (wall, ceiling, pole mount)
- Rectangular detection area
- 8 independent detection zones with customizable target size, sensitivity, and output
- Embedded video camera for visualizing your detection area
- Event log function — Confirm events with event log & image
- Auto area adjustment
- Small animal tolerant
- Setting by internet browser
- Environmental resistance function

**RLS-3060V**
- Indoor / outdoor model
- 8 independent detection zones. Configurable sensitivity, target size & output

**RLS-50100V**
- Indoor / outdoor model
- Expanded mode: up to 530 ft vertical / 265 ft radius horizontal mount
- 8 independent detection zones. Configurable sensitivity, target size & output

The RLS-2020 series is a compact and highly customizable Laser Scan detector that works in an unobstructed way to protect houses, buildings, flat roofs, controlled areas, and assets, by creating an invisible laser wall or plane and detecting any intrusion breaching it.

**FEATURES**
- 20m x 20m (65ft. x 65ft.), 95 degree detection area
- Vertical and horizontal detection modes
- Multi-angle Adjustment Shell Structure (M.A.S.S.)
- Unique detection algorithm
- Automatic area setting function
- Advanced area setting
- 4 adjustable detection areas on IP connection
- Total 3 outputs can be assigned for analog connection

**RLS-2020I**
- Indoor / outdoor model
- Expanded mode: up to 330 ft vertical / 165 ft radius horizontal mount
- 8 independent detection zones. Configurable sensitivity, target size & output

**RLS-2020S**
- Indoor / outdoor mode
- 8 independent detection zones. Configurable sensitivity, target size & output

The REDSCAN Pro LiDARS are ONVIF profile S conformant sensors allowing them to send alarm outputs via the ONVIF protocol to any ONVIF conformant networked video system or IP network devices.

**Detect a crawling person**
**Detect a running person**
**Thrown object detection**
**Quick intrusion detection**
The RLS-3060 series is an innovative laser scan detector that identifies a moving object’s size, speed, and distance from the detector. It processes that information with a unique algorithm, providing a highly reliable detection system with minimal false alarms.

**FEATURES**
- 30m (100ft) radius for 100 degree 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)

**RLS-3060L**
- Scene selection (Indoor / Outdoor)

**RLS-3060SH**
- Scene selection (outdoor, indoor, indoor ceiling/Wall protection and vehicle)
- 8 independently adjustable detection area and Redwall event codes for network recorder and video management software
- Embedded video camera for visualizing your detection area
- Event log function — Confirm events with event log & image
- Auto area adjustment
- Small animal tolerant
- Setting by Internet browser
- Environmental resistance function

The REDSCAN PRO series can very accurately detect intruders to a range of 165 x 330 ft (50 x 100m), without any gaps and keeping the same detection resolution near and far into the detection range. Equipped with OPTEX’s most advanced technology, the REDSCAN PRO provides excellent detection performance that won’t be affected by variable lighting, temperature or environmental changes, making it the best solution for high security sites.

**RLS-50100V**
- Indoor / outdoor model
- 5 independent detection zones. Configurable sensitivity, target size & output

**RLS-3060V**
- Indoor / outdoor model
- Expanded mode: up to 530 ft vertical / 265 ft radius horizontal mount
- 4 independent detection zones. Configurable sensitivity, target size & output

**ONVIF (Profile S) conformant**

The REDSCAN Pro LiDars are ONVIF Profile S conformant sensors allowing them to send alarm outputs via the ONVIF protocol to any ONVIF confromant networked video system or IP network devices.
### SPECIFICATIONS

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<tr>
<th>Model</th>
<th>RLS-3060</th>
<th>RLS-3060V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection method</td>
<td>RLS-3060</td>
<td>RLS-3060V</td>
</tr>
<tr>
<td>Laser protection class</td>
<td>Indoor / Outdoor</td>
<td>Indoor / Outdoor</td>
</tr>
<tr>
<td>Laser power</td>
<td>500mA max. (12 VDC), 250mA max. (24 VDC), 6W max. (PoE)</td>
<td>1.0 kg (2.2 lb)</td>
</tr>
<tr>
<td>Current draw</td>
<td>0.25 degree / within 25msec</td>
<td>2 m (6.7 ft.) or higher</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>230 × 160 × 256.6 mm max. (9.1 x 6.3 x 10.1 inch), 2.6 kg (92 oz.)</td>
<td>Indoor: 2 m (6.7 ft.) or higher</td>
</tr>
<tr>
<td>Weight</td>
<td>2.4 kg (85 oz)</td>
<td>Outdoor: 4 m (13 ft.) or higher (Recommended)</td>
</tr>
<tr>
<td>Power input</td>
<td>19.2-30 VDC, PoE+ (IEEE 802.3at compliant)</td>
<td>Ceiling mount, Wall mount, Pole mount (option), Recess mount (option)</td>
</tr>
<tr>
<td>Laser protection class</td>
<td>Indoor / Outdoor</td>
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<td>Ceiling mount, Wall mount, Pole mount (option), Recess mount (option)</td>
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### OPTIONS

- **2020-PDMA**: Pendant Mount
- **RS-3060 Series**: Adjustable Height Mounting Bracket for RLS-3060 Series
- **2020-MAB**: Multi-Angle Adjustment Wall Ceiling Mount
- **LAC-1**: Laser Area Checker
- **RLS-BB**: Recess Mount Bracket
- **2020-WMA**: 12” Wall Mount Arm Bracket
- **RLS-LWV**: Replacement Window for LRL-3006V & RLS-50100V
- **RLS-LWVH**: Replacement Window with heater unit for RLS-3060V & RLS-50100V

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sales@optexamerica.com

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**REDSCAN Series**

**The REDSCAN Product Series utilizes LiDAR sensing technology to provide highly accurate detection of intruders and moving objects.** Equipped with OPTEX’s most advanced technologies, it provides excellent detection performance not affected by variable lighting, temperature, or environmental changes, making it the ideal solution for high security sites.

**Applications include:**

- Power plants, substations, border protection, correctional facilities, data centers, distribution centers, airports, water treatment plants, ports, warehouses, museums & art galleries, financial institutions, hospitals, and schools.

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**SPECIALIZED LASER DETECTORS FOR HIGH SECURITY APPLICATIONS**

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