The REDSCAN mini RLS-2020I is an indoor IP/PoE laser scan (LiDAR) detector providing 20 x 20 m vertical or horizontal detection area.

The RLS-2020I helps protect assets, equipment, walls and ceilings by creating an invisible laser wall and detecting any intrusion breaching it.

Its compact, cosmetic and versatile design makes it very easy to install and covers many different configurations.

The RLS-2020I generates unique REDWALL Event Codes that are already integrated with many popular Video Management Systems (VMS), allowing it to trigger events.

In addition, it also supports multiple network protocols for integration with VMS platforms and Physical Security Information Management (PSIM) platforms which may require HTTP/HTTPS, SNMP, etc... Not impacted by any lighting conditions, the RLS-2020I will act as a trigger to enhance video surveillance or a wide range of security systems.

### 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
- Supporting multiple network protocols.
- Advanced area setting
- 4 adjustable detection areas when connected via IP
- 3 outputs can be assigned for analogue connections: alarm, trouble, tamper (configurable)
- Compatible with Power over Ethernet
- Paintable housing
- Integration to external devices and applications with REDWALL Event Code.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>RLS-2020I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation location</td>
<td>Indoor</td>
</tr>
<tr>
<td>Detection method</td>
<td>Infrared Laser Scan</td>
</tr>
<tr>
<td>Laser protection class</td>
<td>Class 1</td>
</tr>
<tr>
<td>Power input</td>
<td>10.5 to 30 VDC, PoE (IEEE802.3at compliant)</td>
</tr>
<tr>
<td>Current draw</td>
<td>500mA max. (12 VDC), 250mA max. (24 VDC), 6W max. (PoE)</td>
</tr>
<tr>
<td>Mounting method</td>
<td>Ceiling mount, Wall mount, Tripod mount, Pole mount (option), Recess mount (option)</td>
</tr>
<tr>
<td>Detection area</td>
<td>20 x 20 m, (approx. 65 x 65 ft.), 95 degrees</td>
</tr>
<tr>
<td>Detection range</td>
<td>Radius 1 to 21m (approx. 3.0 to 68 ft.) at 10% reflectivity</td>
</tr>
<tr>
<td>Detection resolution/Response time</td>
<td>0.25 degrees / within 75 ms to 15 minute</td>
</tr>
<tr>
<td>Detection resolution (Vertical mode)</td>
<td>2 m (6.7 ft.) or higher</td>
</tr>
<tr>
<td>Communication port</td>
<td>Ethernet RJ-45 10BASE-T/100BASE-TX (Auto negotiation)</td>
</tr>
<tr>
<td>Network protocol</td>
<td>TCP/IP, UDP/IP, DHCP, DNS, HTTP, FTP, HTTPS, RTP, SNMPv1/v2/v3, ICMP, ARP</td>
</tr>
<tr>
<td>Output</td>
<td>3 outputs: 28 VDC 0.2 A max. N.O, N.C., Selectable (3 from Master alarm, Zone outputs, Trouble, Tamper)</td>
</tr>
<tr>
<td>Input</td>
<td>-</td>
</tr>
<tr>
<td>Alarm period</td>
<td>Approx. 2 s delay timer</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40 to 50 C degrees (-40 to 122 F degrees)</td>
</tr>
<tr>
<td>IP rating</td>
<td>IP66</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>146 x 160 x 190 mm (5.8 x 6.2 x 6.3 inch)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.9 kg (2.2 lb)</td>
</tr>
</tbody>
</table>

* Specifications and design are subject to change without prior notice.
**EASY SETUP AND CONNECTION**

- **IP connection**
- **PC**

**Web browser:** Basic setting of detection areas without external program.

**Optional REDSCAN MANAGER software:** Detailed setting, including detection area and shapes.

**DETECTION AREA**

- 20m (65ft)

**APPLICATIONS**

- Skylight protection at Public facility / Warehouse
- Ceiling protection at Data center
- Window/Wall protection at Commercial facility/Office

**DIMENSIONS**

**ACCESSORIES**

- **LAC-1** : Laser Area Checker
- **RLS-PB** : Pole mount Bracket
- **RLS-RB** : Recess mount bracket
- **RLS-LW** : Laser Window

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