The REDSCAN mini RLS-2020S is an IP/PoE laser scan detector for outdoor and indoor use, providing a detection area up to 20x20m (65 x 65 ft.) or up to 30m (100ft) radius 95° (with the extended range mode).

The RLS-2020S is a compact and highly customisable detector that helps protect in an unobstructed way, houses, buildings, controlled areas by creating an invisible laser wall or plane and detecting any intrusion breaching it.

For indoor applications, the RLS-2020S can be set up in high resolution mode which enables very small object detection; it can also be set up in "indoor throwing mode" allowing to detect an object been thrown into a controlled area.

In addition to dry contacts, the RLS-2020S generates unique REDWALL Event Codes that are already integrated with most Video Management Systems (VMS) and Physical Security Information Management (PSIM) platforms, allowing it to trigger events, camera pre-sets and tracking through zones.

**FEATURES**
- 20m x 20m (65ft. x 65ft.), 95 degree detection area
- 30m (97.5ft) radius with 95 degree (range extension mode)
- 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
- Supporting multiple network protocols.
- Anti-rotation, An ti-masking, Soiling, Trouble, Tamper, DQ outputs (Selectable)

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>RLS-2020S</th>
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<tbody>
<tr>
<td>Model</td>
<td>Indoor/Outdoor</td>
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<tr>
<td>Installation location</td>
<td>Indoor/Outdoor</td>
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<tr>
<td>Detection Method</td>
<td>Infrared Laser Scan</td>
</tr>
<tr>
<td>Laser protection class</td>
<td>Class 1</td>
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<td>Power input</td>
<td>10.5 to 30 VDC, PoE (IEEE802.3 af [at compliant])</td>
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<td>Current draw</td>
<td>500 mA max, (12 VDC), 250 mA 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 / Detection range extension enable radius max, 30 m (approx. 97.5 ft). Arc 95 degrees</td>
</tr>
</tbody>
</table>
| Detection resolution/response time| 0.25 degree / within 75msec to 15 minutes (for indoor mode and outdoor mode)  
0.25 degree / within 25msec (for indoor throw-in mode),  
0.125 degree / within 100msec to 15 minutes (for Indoor high resolution mode) |
| Mounting height/Vertical mode    | Indoor: 2 m (6.7 ft) or higher  
Outdoor: 4 m (13 ft) or higher (Recommended) |
| Communication port               | Ethernet RL-45 10BASE-T/100BASE-TX (Auto negotiation) |
| Network protocol                 | TCP/IP, UDP/IP, DHCP, DNS, HTTP, HTTPS, FTP, SNMPv1/v2c, ICMP, ARP |
| Output                           | 3 outputs, 28 VDC 0.2A max, N.O./N.C. Selectable  
(1 from Master alarm, Zone output, Trouble, Tamper, D.Q.) |
| Input                            | 1 Non-voltage contact input |
| Alarm period                     | Approx. 2 sec delay timer |
| Operating temperature            | -40 to 60 C degrees (-40 to 140 F degrees) |
| IP rating                        | IP6x |
| Dimensions (HxWxD)               | 146 x 160 x 180 mm (5.8 x 6.3 x 6.3 inch) |
| Weight                           | 1.0 kg (2.2 lb) |

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

PoE enabled Redscan mini generates Redwall Event Codes (REC) to all compatible VMS and NVR, through a single cable.

Detailed and complex area settings and configuration should be performed with the REDISCAN Manager software (supplied separately). Simpler detection areas can be set via the web browser.

INSTALATION EXAMPLE

CEILING MOUNT

WALL MOUNT

Multi-angle Adjustment Shell Structure allows flexible installation on ceiling or wall for vertical or horizontal detection area.

OPTION

Optional Recess mount bracket RLS-RB

APPLICATIONS

Art protection at Museum

Protecting controlled areas

Wall protection (outdoor) at Warehouse

DIMENSIONS

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

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