

INDOOR 2D LIDAR SENSOR

REDSCAN Lite



RLS-1010L

2D LiDAR Scanner (Laser Class1)
Detection area 10×10m (33×33ft)

EASE OF INSTALLATION

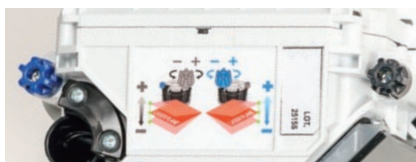
NO POWER REQUIRED

Laser Scanning Path Visualization



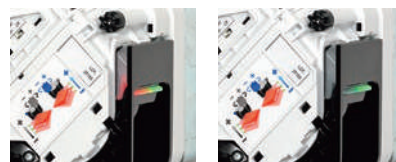
Laser Alignment Tool (RLS-LAT) enables visualization of the detection area.

Tool-less Angle Adjustment



The emission angle can be adjusted by rotating the side knobs on the range of $\pm 3^\circ$.

Auto Area Learning



Area Set activates automatically at power-on. Automatic Area Correction runs to avoid area overflows in the presence of a mesh fence.

MOUNTING METHODS



Wall mount



Ceiling mount

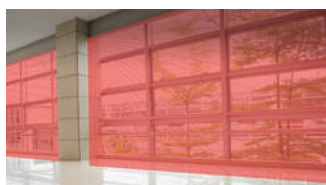


Bracket mount

APPLICATION EXAMPLE



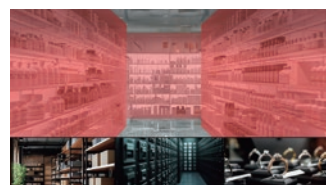
Server rack protection



Glass wall protection



Shelf protection



Asset protection

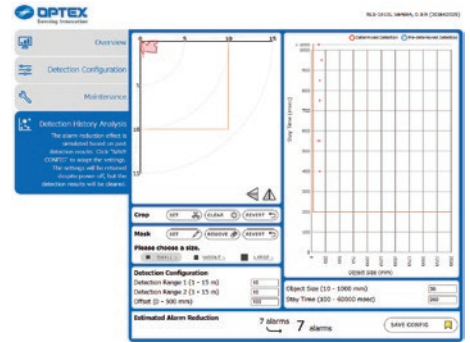
FEATURES

Feature highlight

- PC-less Setup
- Automatic Area Correction
- External LED Status Indicator
- Simplified REDSCAN User-Interface
- A-directional Mounting Plate
- Selectable PoE or/and DC power supply

Detection History Analysis

The maintenance screen allows intuitive parameter adjustment based on the alarm history.



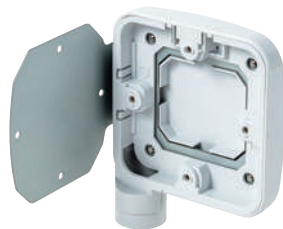
OPTIONS

Laser Alignment Tool RLS-LAT



First-time purchase recommended.
The laser pointer is not included.

L mount Bracket RLS-LBL



Laser Window RLS-LWL



Laser Area Checker LAC-1

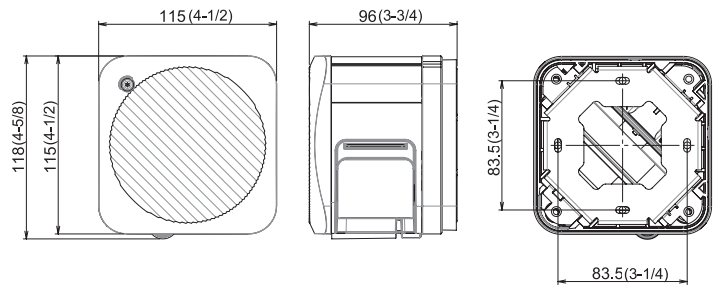


SPECIFICATIONS

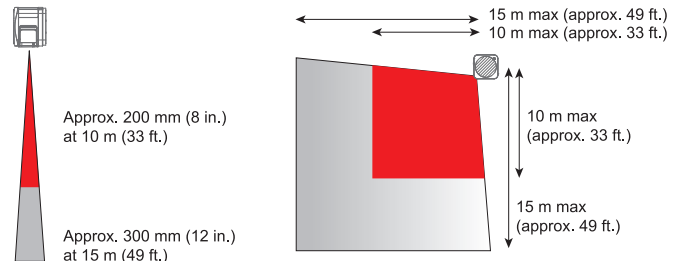
Model	RLS-1010L
Intallation location	Indoor
Detection method	TOF
Laser protection class	Class 1
Power input	10.5-30 VDC, PoE(IEEE 802.3af compliant)
Current draw	500 mA max. (12 VDC), 250 mA max. (24 VDC), 6 W max. (PoE)
Mounting method	Wall mount, Ceiling mount, Bracket mount
Detection area	10×10 m, 95 degree (approx. 33 × 33 ft)
Detection range	Radius 1 to 15 m (approx. 3.3 to 50ft.) at 10% reflectivity
Detection resolution/ Response time	0.125 degrees/within 100 msec. to 1min
Maintenance port	Ethernet RJ-45 10BASE-T/100BASE-TX (Auto negotiation)
Communication port	RS-485
Output	3 outputs, 28 VDC 0.2 A max. N.C.
Input	1 Non-voltage contact input
Alarm period	Approx. 2 second delay timer
Operation temperature	-20°C to 50°C (-4°F to 122°F)
IP rating	IP55
Dimentions (H × W × D)	118 × 115 × 96 mm max. (4-5/8 × 4-1/2 × 3-3/4 inch)
Weight	680 g (1.5lbs.)

External dimensions diagram

Unit:mm(inch)



Detection range



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