

INDOOR 2D LIDAR SENSOR

REDSCAN Lite



RLS-1010L | 2D LiDAR Scanner (Laser Class1)
Detection area 10×10m (33×33ft)

EASE OF INSTALLATION

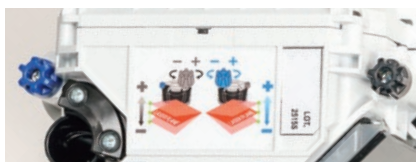
NO POWER REQUIRED

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 Correction



Automatically adjusts the detection area after power-on to avoid overflows in the presence of mesh fences.

MOUNTING METHODS



Wall mount



Ceiling mount

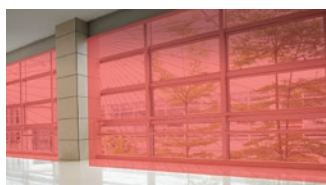


Bracket mount

APPLICATION EXAMPLE



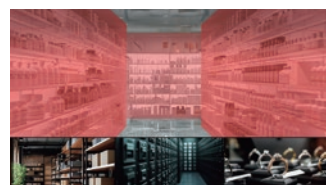
Server rack protection



Glass wall protection



Shelf protection



Asset protection

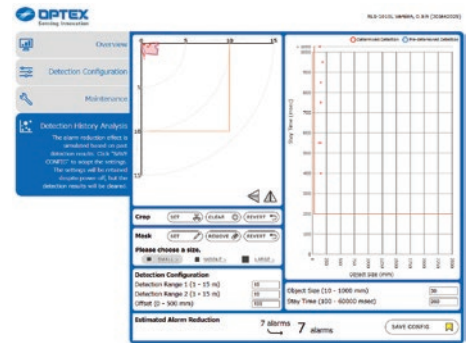
FEATURES

Feature highlight

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

Detection History Analysis

It can be simulated how the detection results would be changed based on modified parameters.



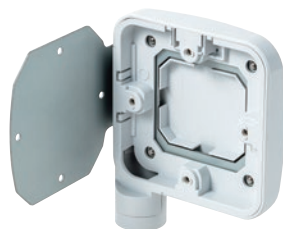
OPTIONS

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

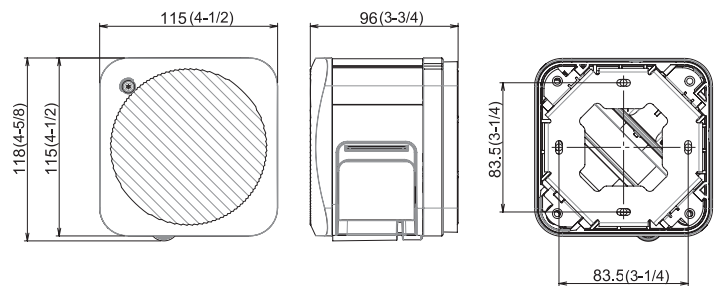


SPECIFICATIONS

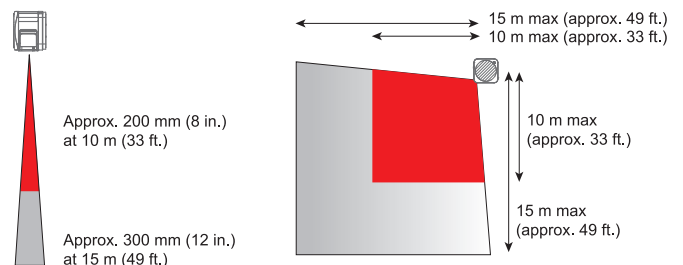
Model	RLS-1010L
Intallation location	Indoor
Detection method	TOF
Laser protection class	Class 1
Power input	10.5-30 VDC, PoE(IEEE 802.3af compliant)
Current draw	500 mA max. (12 VDC), 250 mA max. (24 VDC), 6 W max. (PoE)
Mounting method	Wall mount, Ceiling mount, Bracket mount
Detection area	10×10 m, 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
Dimensions (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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