OPTEX
Sensing Innovation

RLS-3060L

The REDSCAN RLS-3060 is an innovative laser scan detector. It can detect a moving object's size, speed, and distance from the detector and process that information with a unique algorithm, which results in high reliability detection of people with minimal false alarms.

When vertical detection area is selected, it creates a maximum 60m (200ft.) detection area that functions like an invisible wall. When horizontal detection area is selected, it creates a detection area with a radius of maximum 30m (100ft.) and an arc of 190°.

The RLS-3060L is a high performance advanced intrusion device with four adjustable detection zones and linked outputs for PTZ camera control. It brings detection solutions for: fence line, building protection, rooftop, and narrow boundary zone with simplified controls for easy set up.

The RLS-3060L firmware ver. 8 and REDSCAN Manager ver. 8.0 enable together to extend the feature range and setting options as the following items with asterisk(*)

FEATURES

- 30m radius for 190 degrees range
- Vertical and horizontal mounting
- Unique detection algorithm
- Form C master alarm output
- Automatic area setting function
- Environmental disqualification circuit
- Anti-rotation function
- Anti-masking functio
- 4 independently adjustable detection areas and 4 dry contact outputs for PTZ control or

- 8 independently adjustable detection areas and REDWALL Event Code for Network Video Recorder and Video Management Software (on IP Connection)*
- Fog cancellation algorithm (Patent listed)
- Trouble output
- Tamper output
- Analog (Dry contact) & IP connection
- Environmental resistance function
- Non detection area adjustment

- Scene selection (Indoor, Outdoor, Indoor/Outdoor Fence/Wall top protection, Indoor/Outdoor Loitering*)
- Changeable Dry-contact Alarm Output type N.O. to N.C.*
- Area masking / A llocation function (Either 1 pattern can be set.)*

OPTIONS

LAC-1 : Laser area checker
RLS-PB : Pole mount bracket

RLS-SB : Adjustable angle mounting bracket

SPECIFICATIONS

Model		RLS-3060L
Detection method		Infrared Laser Scan
Laser protection class		Class 1
Coverage	Vertical area	Max. 60 m (Approx. 200 ft.) at 10% reflectivity
	Horizontal area	Radius:30m (Approx. 100 ft.), Arc:190° at 10% reflectivity
Detection resolution		0.25°
Communication port		Ethernet ,RJ-45 ,10BASE-T/100BASE-TX
Protocol		UDP, TCP/IP *Redwall Event Code
Power input		24 VDC 24 VAC
Current draw		400mA max. (24VDC) 600mA max. (24VAC)
Mounting height	Vertical area	15m (50ft.) max.
	Horizontal area	0.7m (28in.) (recommended)
Target object selector		S / M / L
Sensitivity selector		H / M / L
Camera control output *		N.O. 28 VDC, 0.2 A x 4 outputs / Can be changeable to N.C. with RSM ver.8.
Master alarm output		Form C, 28 VDC, 0.2 A max.
Trouble output		Form C, 28 VDC, 0.2 A max.
Tamper output		N.C. 28 VDC, 0.1 A max.
Environmental disqualification circuit		Form C, 28 VDC, 0.2 A max.
Alarm period		Approx. 2 sec., Off delay timer
Operating temperature		-20 to 60 °C (-4 to 140 °F)
IP rating		IP66
Dimensions (H x W x D)		334 x 144 x 155 mm (13.2 x 5.7 x 6.1 in.)
Weight		2.4kg (85 oz.)

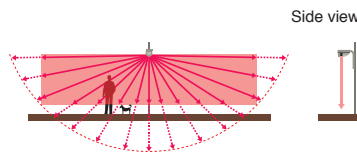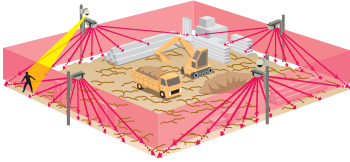Note : Specifications and design are subject to change without prior notice.

DETECTION AREAS
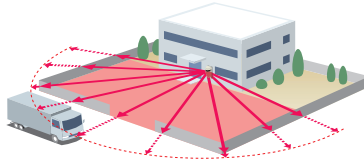
■ Image of horizontal detection area

Top view   Side view

■ Image of horizontal detection area
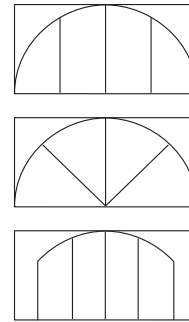
Side view
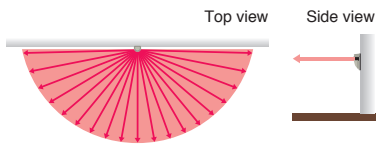
■ Vertical detection area example

■ Horizontal detection area example

DETECTION AREA PATTERN

4 Zones   8 Zones
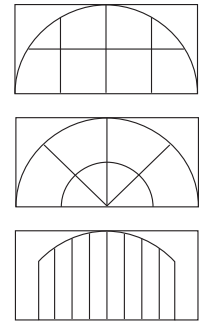
SCENE SELECTION

Outdoor Fence / Wall top protection

Detection

Area Allocating
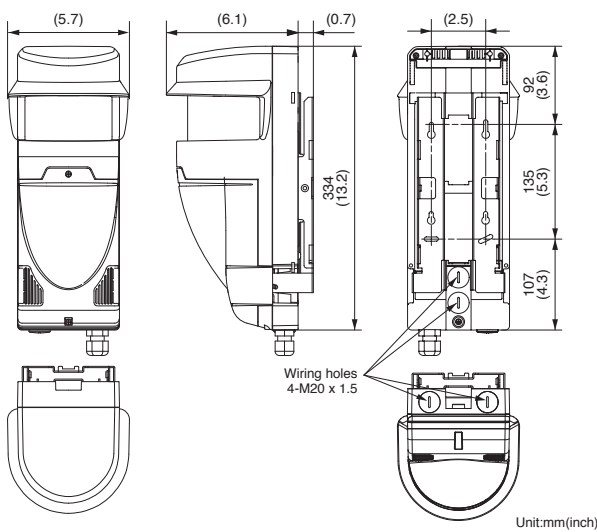

Detection area A2
Detection area B1
Detection area A1

Indoor, human hand detection

Outdoor Loitering detection

Detection

Area Masking

DIMENSIONS

(5.7)   (6.1)   (0.7)   (2.5)

92 (3.6)
135 (5.3)
334 (13.2)
107 (4.3)

Wiring holes
4-M20 x 1.5

Unit:mm(inch)

REDSCAN MANAGER (Optional software, but needed to set-up)