Quality detection system for video surveillance

REDWALL®
Unrivalled performance

REDWALL Laser Scan Detector
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 hi-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 low cost, 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.

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 function
- 4 independently adjustable detection areas and 4 linked outputs for PTZ camera control (on Analog connection and IP connection)
- Fog cancellation algorithm (Patent listed)

- Trouble outputn
- Tamper output
- Analog (Dry contact) & IP connection
- Environmental resistance function
- Non detection area adjustment
- Scene selection (Outdoor and Indoor)

OPTIONS

LAC-1 Laser area checker
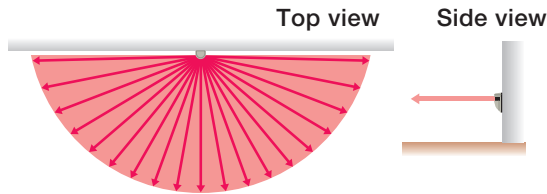RLS-PB Pole mount bracket
RLS-SB Adjustable angle mounting bracket

SPECIFICATIONS

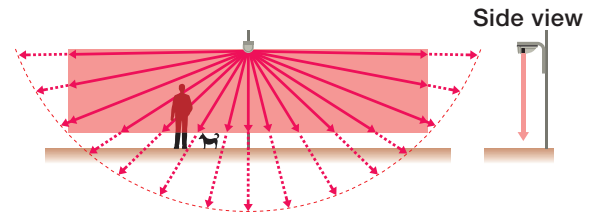| Model		RLS-3060L
Detection method		Infrared Laser Scan
Laser protection class		Class 1
Coverage	Vertical area	Max. 60 m (Approx. 200 ft.) at 10% reflectivity
	Horizontal area	Radius:30m (Approx. 100 ft.), Arc:190° at 10% reflectivity
Detection resolution		0.25°
Communication port		Ethernet ,RJ-45 ,10BASE-T/100BASE-TX
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
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.)

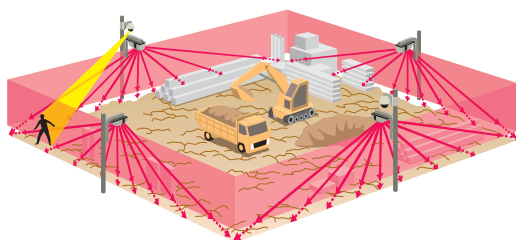∗ Specifications and design are subject to change without prior notice.
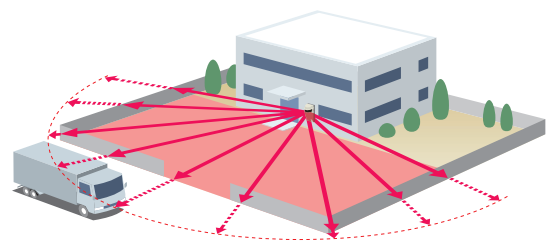
DETECTION AREAS
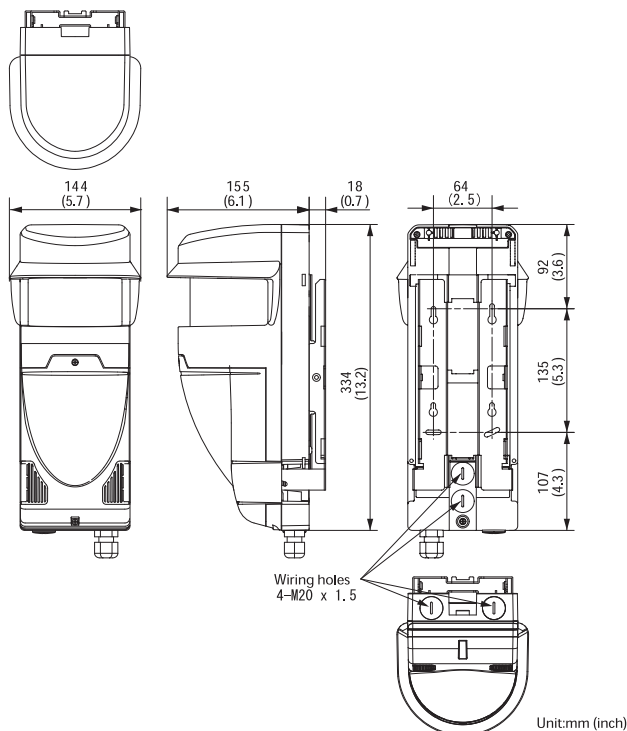
■ Image of horizontal detection area

Top view   Side view

■ Image of horizontal detection area

Side view

■ Vertical detection area example

■ Horizontal detection area example

DIMENSIONS

144 (5.7) 155 (6.1) 18 (0.7) 64 (2.5)
92 (3.6)
334 (13.2)
135 (5.3)
107 (4.3)

Wiring holes
4-M20 x 1.5

Unit:mm (inch)

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

OPTEX CO., LTD.(JAPAN)
URL: http://www.optex.net

OPTEX INC. (U.S.)
URL: http://www.optexamerica.com

OPTEX DO BRASIL LTDA. (Brazil)
URL: http://www.optex.net/br/es/sec

OPTEX (EUROPE) LTD. / EMEA HQ (U.K.)
URL: http://www.optex-europe.com

OPTEX TECHNOLOGIES B.V. (The Netherlands)
URL: http://www.optex.eu

OPTEX SECURITY SAS (France)
URL: http://www.optex-security.com

OPTEX SECURITY Sp.z o.o. (Poland)
URL: http://www.optex.com.pl

OPTEX PINNACLE INDIA, PVT., LTD. (India)
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