REDWALL Laser Scan Detector
RLS-3060SH

The REDSCAN RLS-3060 is an innovative laser scan detector. That identifies a moving object's size, speed, and distance from the detector. It processes that information with a unique algorithm, resulting in a highly reliable detection system with minimal false alarms. The detector can also be mounted vertically or horizontally according to the application and site conditions.

With 4 dry-contact output connections and 8 outputs via an IP interface allowing for connections to remote video applications.

The REDSCAN RLS-3060SH is an advanced generation laser scan detector. It has both intelligent detection analysis functions and adjustable detection algorithm parameters that increase its range of applications. It provides flexible solutions that streamline video monitoring and will reduce installation costs.

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
- Scene selection (Outdoor, Indoor, Indoor Ceiling/Wall protection and Vehicle)

- 4 independently adjustable detection areas and 4 linked outputs for PTZ camera control (on Analog connection)
- 8 independently adjustable detection area and Redwall event codes for Network Recorder and Video Management software (on IP connection)
- Anti-rotation function

- Anti-masking function
- Fog cancellation algorithm (Patent listed)
- Trouble output
- Tamper output
- Built-in heater
- Analog (Dry contact) & IP connection
- Environmental resistance function
- Non detection area adjustment
- Alarm duration function

OPTIONS

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

RLS-SB Adjustable angle mounting bracket
AWT-3 Audible walk tester

SPECIFICATIONS

| Model		RLS-3060SH
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:30 m (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. (24 VDC) 600mA max. (24 VAC)
Heater power input		24 VDC, 24 VAC
Heater current draw		400mA max. (24 V DC/AC)
Mounting height	Vertical area	15 m (50ft.) (recommendation)
	Horizontal area	0.7 m (28in.) (recommendation)
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)
Operating temperature with heater		-40 to 60 °C (-40 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		2.5kg (88 oz.)

∗ Specifications and design are subject to change without prior notice.
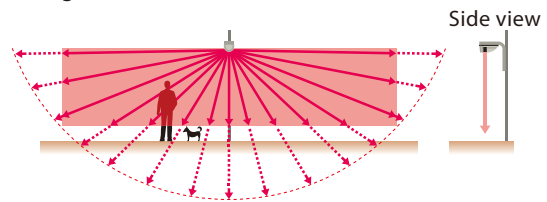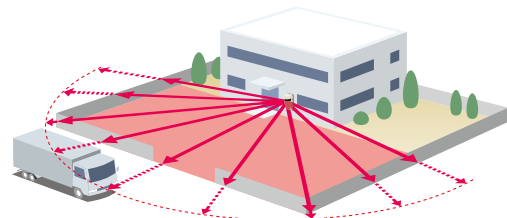
DETECTION AREAS

■ Image of horizontal detection area

Top view   Side view

■ Image of horizontal detection area
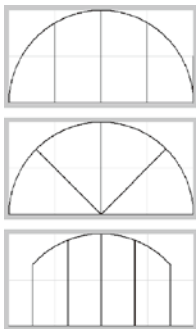
Side view
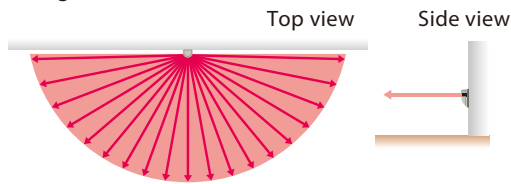
■ Vertical detection area example
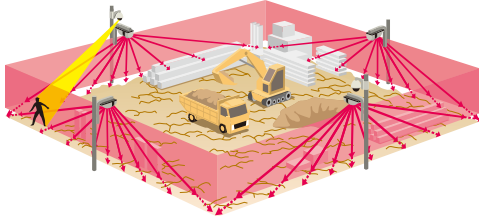
■ Horizontal detection area example
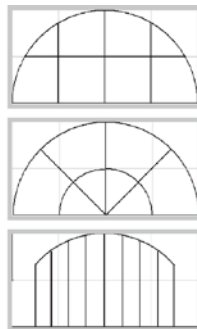
DETECTION AREA PATTERN

4 zones   8 zones

SCENE SELECTION

Indoor, human hand detection

Vehicle detection
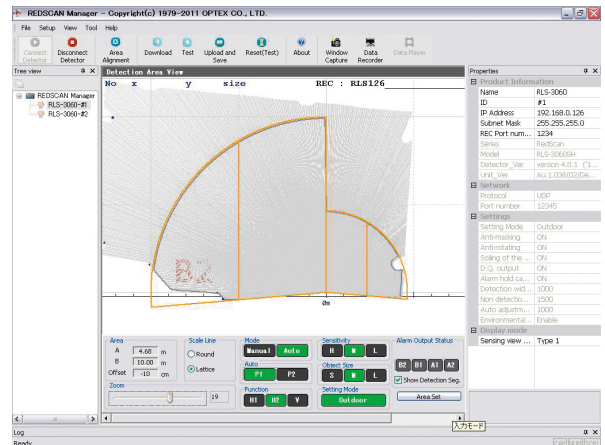
DIMENSIONS

144 (5.7)   155 (6.1)   18 (0.7)   64 (2.5)

92 (3.6)

135 (5.3)

334 (13.2)

107 (4.3)

Wiring holes
4-M20 x 1.5

Unit:mm (inch)
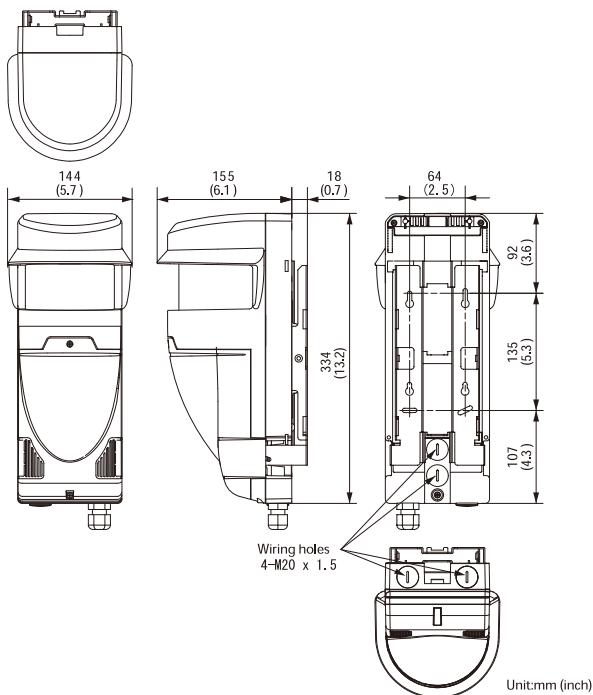
REDSCAN MANAGER (Optional software, but needed to set-up)

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)
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