Model	SIP-3020	SIP-4010	SIP-404	SIP-3020/5	SIP-4010/5	SIP-404/5	SIP-5030	SIP-100	
etection method overage (main area)	30 x 20 m (100 x 65 ft.)	40 x 10 m (130 x 33 ft.)	40 x 4 m (130 x 13 ft.)	30 x 20 m (100 x 65 ft.)	Passive infrared 40 x 10 m (130 x 33 ft.)	40 x 4 m (130 x 13 ft.)	50 x 30 m (165 x 100 ft.)	100 x 3 m (330 x 10 ft.	
overage (creep zone)	(100 x 05 1t.)	(130 x 33 1t.)					.) installed at 4 m (13 ft.) height. De		
wer input	- 3 x 5 m (10 x 16 ft.) installed at 2.3 m (7.6 ft.) height, 6 x 9 m(20 x 30 ft.) installed at 4 m (13 ft.) height, Detection angle adjustable horiz 11-16 VDC 22-26 VAC, 22-26 VAC with optional heating unit								
urrent draw	35 mA max. (12 VDC) 70 mA max. (24 VAC), 40			40 mA ma	nA max. (12 VDC) 75 mA max. (24 VAC), nA max.(24 VAC) with optional heating unit		40 mA max. (12 VDC) 75 mA max. (24 VAC), 415 mA max. (24 VAC) with optional heating unit	45 mA max. (12 VDC) 80 mA max.(24 VAC), 420 mA max. (24 VAC) with optionalheating unit	
ounting height	2.3 to 4 m (7.6 to 13 ft.)								
ensitivity selector	Far: SH/H/M/L Near: SH/H/M/L  Far: SH/H/M/L Near: SH/H/M/L								
ange selector			Far: On	VOff			_	_	
etection logic selector	AND / OR								
larm output (main area)	N.O., N.C. 28 VDC 0.2A max.				Far area:N.O., N.C. 28 VDC 0.2 A max Near area N.O., N.C. 28 VDC 0.2 A max.				
arm output (creep zone)	N.O., N.C. 28 VDC 0.2 A max.								
larm interval period	Off/15, 30, 60 sec.								
ouble output					I.C., 28 VDC 0.2 A ma				
amper output	N.C., 28 VDC 0.1 A max.								
arm period	Approx. 2 sec.								
/arm-up period	Approx. 60 sec.  -25 to +60°C, -40 to +60°C with optional heating unit (-13 to +140 °F, -40 to +140° F with optional heating unit)								
perating temperature		-25	to +60°C, -40 to +60°	C with optional hea		°F, -40 to +140° F w	vith optional heating unit)		
rating	Main unit:IP65 Chassis:IP55								
imensions (H x W x D)	227 x 102 x 266 mm (9.0 x 4.0 x 10.5 in.) 248 x 102 x 266 mm (9.8 x 4.0 x 10.5 in.) 271 x 102 x 290 mm (10.7 x 4.0 x 11.4								
eight eight		1.2 kg (42 oz)			1.4 kg (48 oz)		1.6 k	g (56 oz)	
Model	SIP-3020CA	M DN (EU)	SIP-3020CAM DN (	US)	Model	SIP-30	020WF SIP-4010V	VF SIP-404WF	
tection method		Passive infrar	ed		Detection method		Passive Infrar	ed	
overage	30 x 20 m (100 x 65 ft.)				Coverage	30 x	30 x 20 m 40 x 10 m 40 x 4 m		
wer input	12 VDC				Coverage		(100 x65 ft.) (130 x33 ft.) (130 x 13 ft.)		
ırrent draw	180 mA (12 VDC)				Power input	ver input 3 to 9 VDC Alkaline or lithium battery			
ounting height	2.3 to 4 m (7.6 to 13 ft.)				Operating voltage		2.5 to 10 VDC		
ensitivity selector	Far: SH/H/M/L, Near: SH/H/M/L				Current draw		40 μA(Standby) 5 mA max. (Operating LED ON)		
inge selector	Far: On/Off				Mounting height		2.3 to 4 m (7.6 to 13 ft.)		
arm output	N.O., N.C. 28 VDC 0.2A max.				Sensitivity selector		Far: SH/H/M/L Near: SH/H/M/L		
larm interval period	Off/15, 30, 60 sec.				Range selector		Far: On/Off		
ouble output	N.C., 28 VDC 0.2 A max.				Detection logic selector	or	AND/OR		
mper output	N.C., 28 VDC 0.1 A max.				Alarm output	N.	N.C. 10 VDC, 0.01 A max. N.O. 10 VDC, 0.01 A max.		
arm period	Approx. 2 sec.				Alarm interval period		Off/5, 60, 150 sec.		
/arm-up period	Approx. 60 sec.				Trouble output		N.C., 28 VDC 0.2 A max.		
nage sensor	1/3" CCD (PAL) 1/3" CCD (NTSC)			)	Tamper output	N.C., 28 VDC 0.1 A max.			
/ line	480TVL (at wide position)				Alarm period				
solution	PAL 752 H x 582 V NTSC 768 H x 494 V			/	Warm-up period			ec.	
ns	f= 3 to 9 mm, varifocal,DC auto iris lens F1.2				Operating temperature -25 to +60°C (-13 to +140°F)		+140°F)		
linimum illumination	Day (colour) : 0.5 lx (F1.2) Night (B/W) : 0.03 lx (F1.2)				IP rating Dimensions (H x W x D)		Main unit:IP65 Chassis:IP55 227 x 102 x 266 mm (9.0 x 4.0 x 10.5 in.)		
III III III III III III III III III II									
ideo output	1.0Vp-p/75Ω/ BNC connector, PAL 1.0Vp-p/75Ω/ BNC connector, NTSC		r, NTSC						
perating temperature		-25 to +60°C (-13 to	+140°F)		Weight		1.2 kg (42 o	z)	
rating		Main unit:IP65				esign are subject to ch	nange without prior notice.		
raung	Chassis:IP55								
imensions (H x W x D) /eight	252 x 102 x 317 mm (9.9 x 4.0 x 12.5 in.) 1.5 kg (52 oz)								
Model		RLS-3060SH	RLS-3060L	_					
etection method	TIES SOCOSTI TIES SOCOE							(D)	
aser protection class Class 1					1.10		acon acon		
Vertical area May 60 m (Approx 200 ft ) at 10% reflectivity				itv	9			WALL	
Coverage Horizontal area  Detection resolution		Radius:30 m (Approx. 100 ft.), Arc:190° at 10% reflectivity 0.25°			11				
ommunication port	Ethernet ,RJ-45 ,10BASE-T/100BASE-TX			WT-3	AVF-1	SIP-HU	SIP-AT		
otocol	UDP, TCP/IP *Redwall Event Code				rea Walk Tester	Area View Finder	Heating Unit	SIP Adjustment Tools	
ower input					.ca Huik Testel	AICG FIEW I IIIGEI	nearing our	(including AWT-3 and AV	
urrent draw			24 VAC	<u></u>				. ,	
eater power input		400 mA max. (24 VDC) 24 VDC, 24 VAC	1000 MA Max. (24 VAI	<u></u>					
eater current draw		A max. (24 V DC/AC)	_	<del></del>			950	-	
							100	7	
\/nrtical								The state of the s	
Nounting height Vertical Horizon							Street, Square, Square		

S/M/L

H/M/L

N.O. 28 VDC, 0.2 A x 4 outputs

Form C, 28 VDC, 0.2 A max.

Form C. 28 VDC. 0.2 A max.

N.C. 28 VDC, 0.1 A max.

Form C, 28 VDC, 0.2 A max.

Approx. 2 sec., Off delay timer

-20 to 60 °C (-4 to 140° F)

334 x 144 x 155 mm (13.2 x 5.7 x 6.1 in.)

-40 to 60 °C (-40 to 140° F)

Target object selector

Camera control output

Operating temperature

Environmental disqualification circuit

Operating temperature with heater

Sensitivity selector

Master alarm output

Trouble output

Tamper output

Alarm period





RLS-SB Adjustable angle Mounting bracket



RLS-PB

Pole mount bracket



SIP-MINIHOOD Sun/Snow shield



Sun/Snow shield

SIP-MIDIHOOD

RLS-AT



LAC-1



**OPTEX CO., LTD.** (ISO 9001 Certified / ISO14001 Certified)
5-8-12 Ogoto, Otsu, Shiga, 520-0101 Japan
TEL+81(0)77 579 8030 FAX+81(0)77 579 8190 http://www.optex.co.jp/e/

RLS Adjustment Tool kit (Including REDSCAN MANAGER Setup software and LAC-1)

OPTEX INCORPORATED (USA) OPTEX (EUROPE) LTD. (UK)

OPTEX SECURITY SAS (FRANCE) OPTEX KOREA CO., LTD. (KOREA) OPTEX SECURITY Sp. z o.o. (POLAND) http://www.optex.com.pl/ OPTEX (DONGGUAN) CO., LTD. Shanghai office (CHINA)

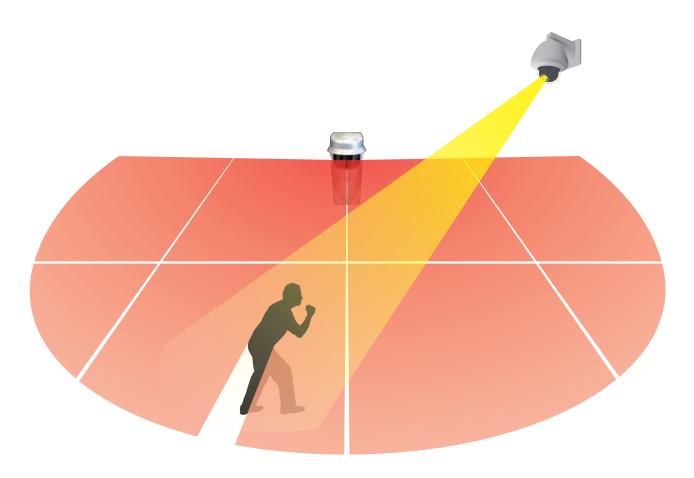
http://www.optexamerica.com/ http://www.optex-europe.com/ http://www.optex-security.com/ http://www.optexkorea.com/

No. 77031-00-17440-1201





# PRODUCT CATALOG

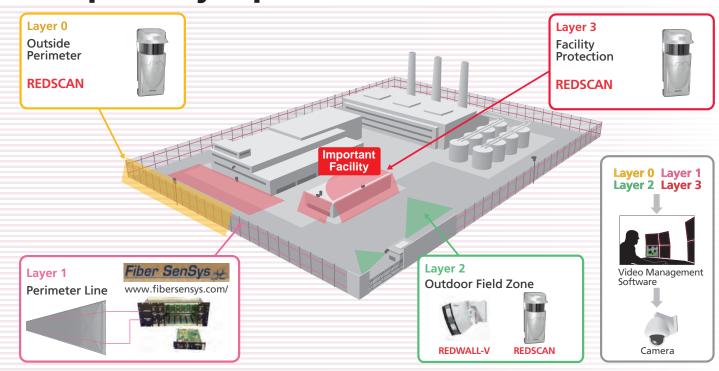


# Solutions for Remote Video Response



www.optex.co.jp/e/redwall/

# **Concept of layer protection for video surveillance**



## **Laser Scan Detector REDSCAN Series**

The REDSCAN series 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.



## [FEATURES]

- 30m radius for 190 degrees rangeVertical and horizontal mounting
- Unique detection algorithm
- Automatic area setting 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)

# RLS-3060L

• Scene selection (outdoor and indoor)

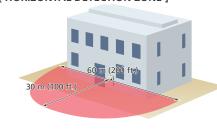
#### **RLS-3060SH**

- Scene selection (outdoor, indoor, indoor ceiling/wall protection and vehicle)
- 8 independently adjustable detection area and Redwall event codes for network recorder and video management software (on analog connection and on IP connection)
- Built-in heater

# [ VERTICAL DETECTION ZONE ]



### [ HORIZONTAL DETECTION ZONE ]



# REDSCAN IP connection Note PC





# [ APPLICATION EXAMPLE ]

- Military base
- Airport
- Prison
- Power plant/Substation
- Water treatment facility
- Logistic
- Data center
- Car dealer
- Bank
- Hospital/Care center
- Government office
- VIP house
- Airplane hangar
- Museum/Art gallery

# Synthesized Intelligent PIR REDWALL-V Series

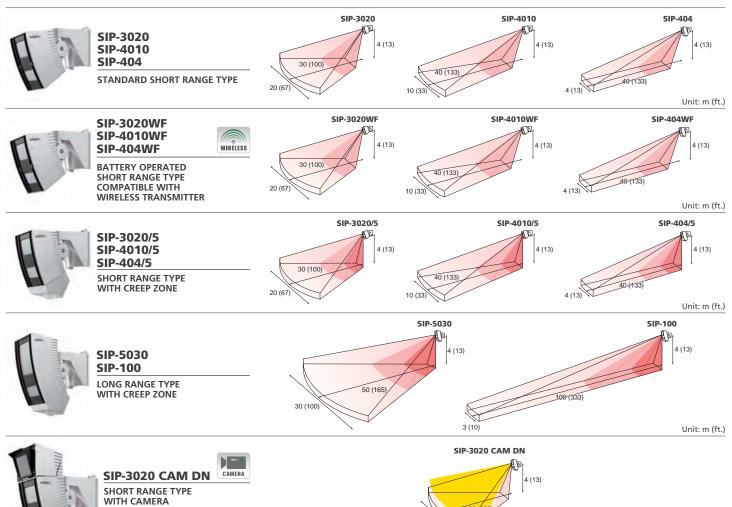
The REDWALL-V series the reliability outdoor detector that is especially suited to remote and local video surveillance applications. The detector provides the following three benefits:

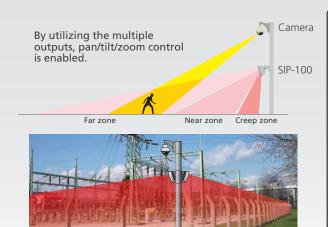
The goal of the REDWALL series is to provide a product that can deliver reliable and efficient protection while reducing total costs. To achieve this goal, REDWALL-V employs five innovative sensing technologies.

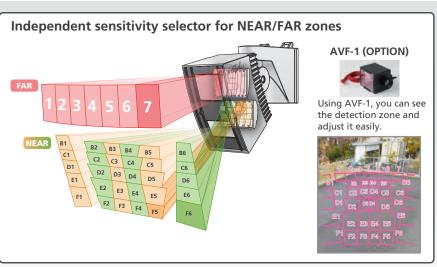
- Reduction of false alarms
- Quick and reliable installation
- Protection from vandalism

Technology 1. PIR sensor with double conductive shielding

- Technology 2. Thermo-sensor
- Technology 3. Illuminance sensor
- Technology 4. Photo-beam sensor for anti-masking
- Technology 5. Three-axis accelerometer for anti-rotation







Unit: m (ft.)