

# 180° Panoramic Detector

OPT-WXI-ST

Passive Infrared Outdoor Ready Detector

EliteControl 



## Features

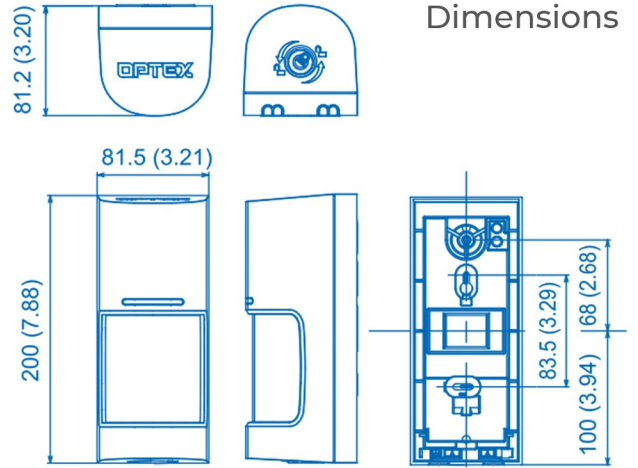
- 180° Passive infrared detector
- Individual alarm outputs
- Individual sensitivity setting
- Individual detection area size
- SMDA logic (multidimensional analysis)
- Applications: residential, & commercial
- Easy & flexible detection area settings

Detection with



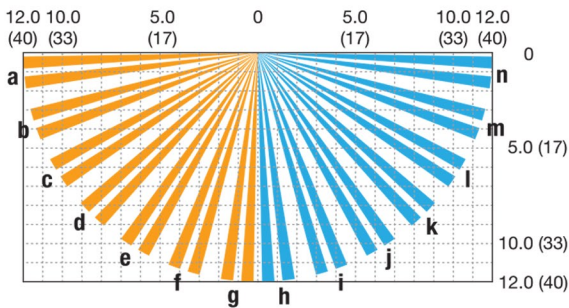
2 Year [Warranty](#)

Model	WXI-ST
Detection method	Passive infrared
PIR coverage	180° wide
PIR zones	Horizontal 14 pairs, vertical 2 layers
PIR distance limit	2.5 to 12 m (Stepless adjustment)
Detectable speed	0.3 to 2.0 m/s (1' to 6'7"/s)
Sensitivity	2.0 °C (3.6°F) at 0.6 m/s Selectable for each side individually
Power input	9.5 to 18 VDC
Current draw	21 mA max. at 12 VDC
Alarm period	2.0 ±1 sec.
Warm-up period	60 sec. or less (LED blinks)
Alarm (R) output	28 VDC 0.1 A max. [Individual;Right or General], [N.O. or N.C.] are selectable
Alarm (L) output	28 VDC 0.1 A max. [Individual;Left or General], [N.O. or N.C.] are selectable
Trouble output	-
Tamper output	N.C. 28 VDC 0.1 A max. Open when either the cover, main or base unit is removed
LED indicator (DIP switch ON or Walk test)	Red LED ; 1. Warm-up 2. Alarm
Operation temperature	-30 °C to +60 °C (-22°F to +140°F)
Environment humidity	95% max.
International protection	IP 55
Mounting	Wall, Pole (Outdoor, Indoor)
Mounting height	0.8 to 1.2 m (2'7" to 4')
Weight	420 g (14.8 oz.)
Accessories	Mounting screw (4 x 20 mm) x 2, lock screw x 1

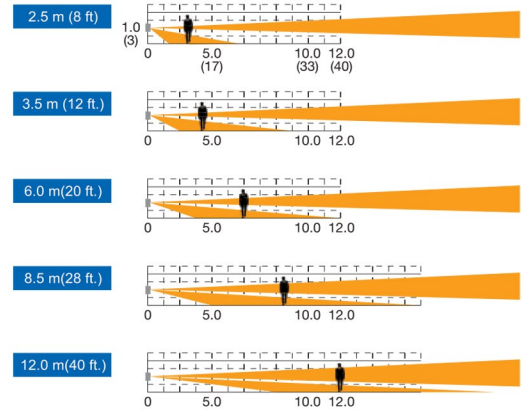


Coverage

Top view



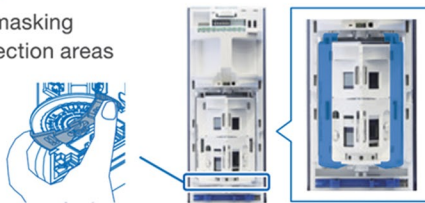
Side view



Easy and flexible detection area settings

Area masking shutter

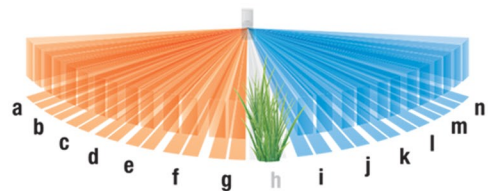
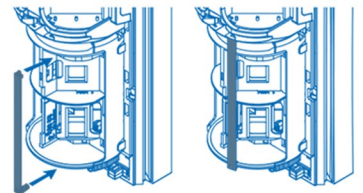
By rotary sliding area masking shutter, the size of detection areas can be changed.



When area masking shutter's position is that Left is d and right is k, detection area a-d and k-n are masked.

Area masking plate

Unwanted detection areas can be masked by optional area masking plate (MKP-01).



When a MKP-01 is set on position h, detection area h is masked.

# 180 degree wall-to-wall coverage

Right coverage with flexibility to eliminate blind spots



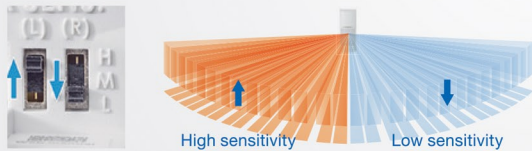
## Individual left/right settings

### Individual alarm outputs

An installation of a WXI values 2 detectors because it triggers alarm signals both left and right side individually. So it's useful for PTZ activation, direction recognition and changing detection pattern by day and night with a CP.

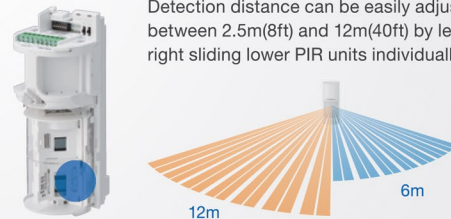
### Individual sensitivity setting

Detection sensitivity can be set to High, Medium and Low by left and right switches individually.



### Individual detection area size

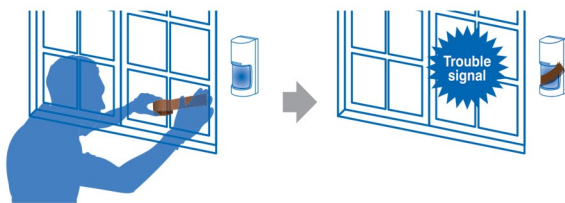
Detection distance can be easily adjusted between 2.5m(8ft) and 12m(40ft) by left and right sliding lower PIR units individually.



## Reliability

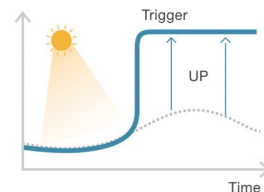
### Self-learning IR digital anti-masking function

WXI detects covering objects on lens surface. IR digital anti-masking function optimizes trigger level of trouble outputs generated by masking depends on status of lens surface. A well-calibrated adjustment for both of emitting and receiving level of IR LED fluctuating by temperature contributes to stable anti-masking.



### Sunlight canceling

The trigger level of anti-masking is automatically adjusted when sunlight is too strong.



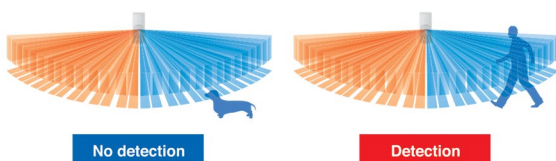
### Rainwater and insect canceling

Small objects such as a spider or rainwater can be cancelled.



### AND logic function to reduce false alarms

WXI only triggers an alarm signal when both upper and lower detection areas detect movement.



### SMDA logic (Super Multidimensional Analysis)

It can differentiate among various noise factors such as climate changes and vegetation sways and genuine intrusions.

