OPTEX
Sensing Innovation

WIDE ANGLE OUTDOOR DETECTOR
QX Infinity series

WIRED MODEL

QXI-ST   : 12m(40ft), 120 degrees
QXI-DT *   : with Dual technology

BATTERY OPERATED MODEL

QXI-R   : 12m(40ft), 120 degrees
QXI-RDT * : with Dual technology

* MW frequency [10.525 GHz(X5), 10.587 GHz(X8), 9.425 GHz(X9)]

The QXI series is a family of outdoor detectors providing 120 degree wide and 12 m (40 ft.) detection area.
With its sleek and compact housing, the QX Infinity series fits any residential and commercial buildings without ruining its appearance.

Sleek Compact with a Quad-Element

The newly equipped Quad-Element contributes not only to reliable detection performance with high tolerance to false alarms but also to be smaller than conventional outdoor detectors.

You can access CR123A battery by simply opening the front cover. It's a dramatically time saving of every battery changing.
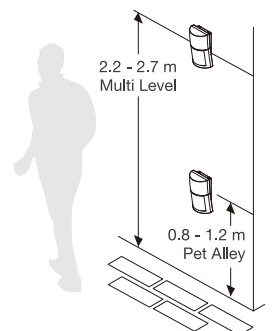
CR123A

Anti-blocking Function

Anti-blocking features of QXI-DT based on microwave technology which can detect intruders who try to mask the detector.
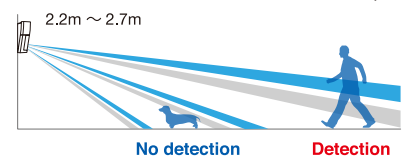
Selectable Mounting Height & Pattern

High mount (2.2 - 2.7 m (7' 3" - 8'11")) or low mount (0.8 - 1.2 m (2' 7" - 4')) can be selected depending on the installation site.
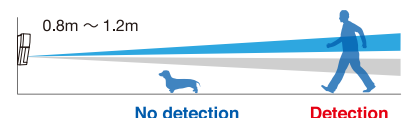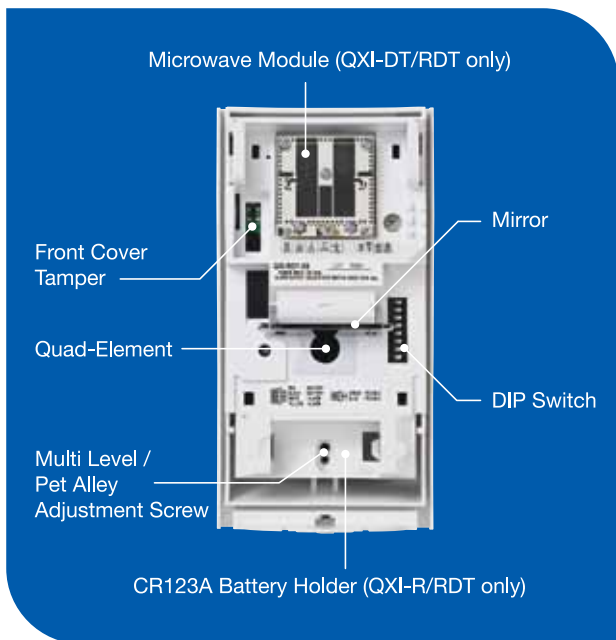
2.2 - 2.7 m
Multi Level

0.8 - 1.2 m
Pet Alley

- Multi Level Pattern

It can create a proper detection area for high mount with intelligent AND logic

2.2m ～ 2.7m

No detection　　**Detection**

- Pet Alley Pattern

Available for low mount to reduce risks of false alarms caused by pets with an alley which small animals can pass through without detections.

0.8m ～ 1.2m

No detection　　**Detection**

Microwave Module (QXI-DT/RDT only)

Front Cover Tamper

Quad-Element

Multi Level / Pet Alley Adjustment Screw

CR123A Battery Holder (QXI-R/RDT only)

Mirror

DIP Switch

Coverage

Top View

Side View (Multi Level)

Side View (Pet Alley)

Dimensions

QXI-ST/DT

78(3.07) | 59(2.32) | 144.5(5.69)

QXI-R/RDT

78(3.07) | 83.5(3.28) | 144.5(5.69)

Unit: mm (inch)

Easy Open and Close Front Cover

You can easily open and close the front cover without a screw. A screw driver (-) is only required to open it.
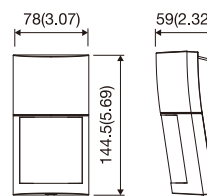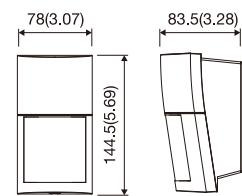
Options

Bracket for Ceiling Mount
CA-2C(W)

Bracket for Wall Mount
CA-1W(W)

Other Features

- Double Conductive Shielding
- SMDA (Super Multidimensional Analysis) Logic
- Operating Temperature:
  QXI-ST/R:-40 to +60°C (-40 to +140°F) /
  QXI-DT/RDT:-40 to +45°C (-40°F to +113°F)

- UV Resistant ASA body
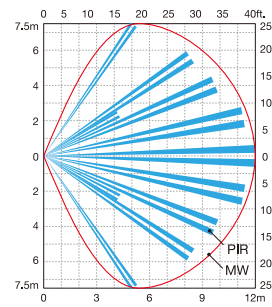- Battery Common Use (QXI-R / RDT only)
- Automatic Walk Test Mode

Specifications

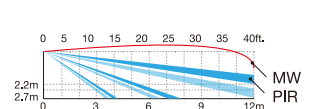| Model	QXI-ST	QXI-DT
Detection method	Passive infrared	Passive infrared & Microwave
PIR coverage	12.0 m (40') 120°wide	
PIR zones	Multi level: 40 zones Pet alley: 18 zones	
Detectable speed	0.3 to 2.0 m/s (1' to 6'7"/s)	
Sensitivity	2.0°C (3.6°F) at 0.6 m/s	
Pet alley	Remove lower area detection to avoid small animals.	
Power input	9.5 to 16 V DC	
Current draw	20 mA max. at 12 V DC	30 mA max. at 12 V DC
Alarm period	2.0 ± 0.5s	
Warm-up period	Approx. 60 s (LED blinks)	
Alarm output	N.C/N.O. switchable, 28 V DC 0.1 A max.	
Trouble output	—	N.C. 28 V DC 0.1 A max.
Tamper output	N.C. 28 V DC 0.1 A max. Open when the cover is opened	
LED indicator	[1]Warm-up [2]Alarm [3]Walk test end	[1]Warm-up [2]Alarm [3]Walk test end [4]Blocking detection
Operation temperature	-40°C to +60°C (-40°F to +140°F)	-40°C to +45°C (-40°F to +113°F)
Environment humidity	95% max.	
Internation protection	IP 54	
Mounting	Wall (Outdoor, Indoor)	
Mounting height	Multi level: 2.2 to 2.7 m (7'3" to 8'11") Pet alley: 0.8 to 1.2 m (2'7" to 4')	
Weight	180 g (6.35 oz)	195 g (6.88 oz)
Accessories	[1]Mounting screw (4 x 12 mm) x 2 [2]Lock screw (3 x 12 mm) x 1 [3]Area masking strips	

Model	QXI-R	QXI-RDT
Detection method	Passive infrared	Passive infrared & Microwave
PIR coverage	12.0 m (40') 120°wide	
PIR zones	Multi level: 40 zones Pet alley: 18 zones	
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	
Pet alley	Remove lower area detection to avoid small animals.	
Power source	CR123A (3 V DC) *Not included.	
Current draw	9 µA stand-by 11 mA max. at 3 V DC	16 µA stand-by 11 mA max. at 3 V DC
Alarm period	2.0 ± 0.5s	
Warm-up period	Approx. 60 s (LED blinks)	
Alarm output	N.C/N.O. switchable solidstate switch, 3 V DC 0.01 A max.	
Trouble output (with tamper)	N.C/N.O. switchable solidstate switch, 3 V DC 0.01 A max.	
LED indicator	[1]Warm-up [2]Alarm [3]Walk test end	
Operation temperature	-40°C to +60°C (-40°F to +140°F)	-40°C to +45°C (-40°F to +113°F)
Environment humidity	95% max.	
Internation protection	IP 54	
Mounting	Wall (Outdoor, Indoor)	
Mounting height	Multi level: 2.2 to 2.7 m (7'3" to 8'11") Pet alley: 0.8 to 1.2 m (2'7" to 4')	
Weight	215 g (7.58 oz)	230 g (8.11 oz)
Accessories	[1]Dummy battery and connector for ALARM [2]Connector for TROUBLE [3]Mounting screw (4 x 12 mm) x 3 [4]Lock screw (3 x 12 mm) x 1 [5]Area masking strips	

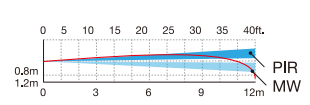Specifications and designs are subject to change without prior notice.

Web based manual for wired models
http://navi.optex.net/manual/50333/

Web based manual for wireless models
http://navi.optex.net/manual/50337/