

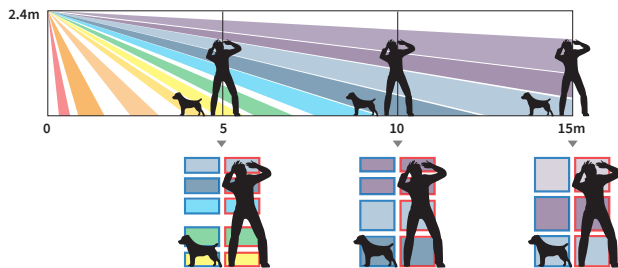
# CDX series

- CDX-DAM** 15m x 15m wide PIR & MW detector with anti-mask
- CDX-NAM** 24m x 2m long range PIR detector with anti-mask
- CDX-AM** 15m x 15m wide PIR detector with anti-mask

## REGENERATION FOR INDOOR DETECTION



### DIGITAL QUAD ZONE LOGIC



CDX series has 82 dense zones. In the detection coverage, 4 or more zones must be crossed to distinguish between human and small animal detection. In addition, newly developed digital MPU "CORE PLATFORM" provides more accurate detection.

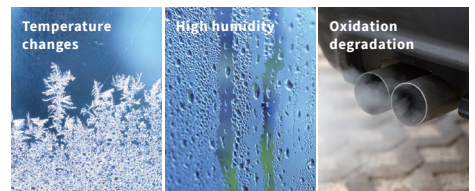
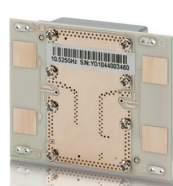
### ACTIVE IR DIGITAL ANTI-MASKING

CDX series uses AIR technology to detect masking. To realize a stable performance, CDX series differentiate between true masking and other masking caused by environmental changes such as dust/dirt adhesion, temperature changes and direct light by optimizing its sensitivity.



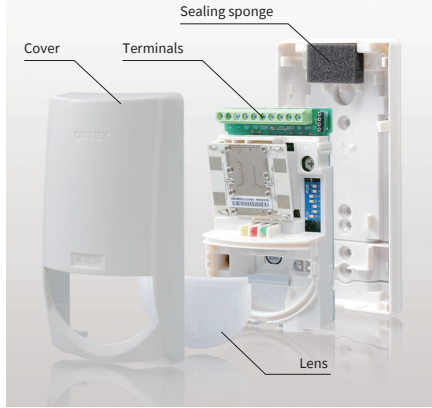
### TOUGH MICROWAVE MODULE

Most of combination detectors use an universal MW module. OPTEX developed an original MW module specially designed for security detector. This stabilize the detection performance from natural degradation to realize a long operating life.



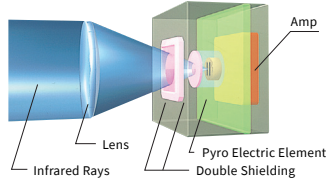
ADVANCED INDOOR DETECTOR

# CDX series



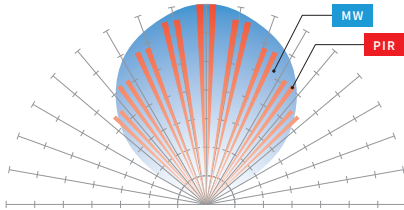
## Double Conductive Shielding (CDX-AM/DAM only)

By using our Double Conductive Shielding, the visible light disturbance and RFI can be blocked.



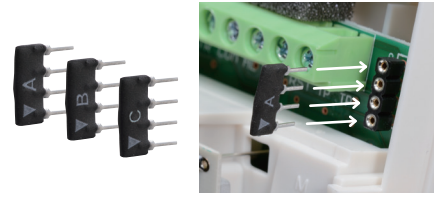
## Sharply-directed MW Technology (CDX-DAM only)

Conventional MW technology can emit an unwanted detection area. Sharply-directed MW technology eliminated those areas to create detection area close to PIR.



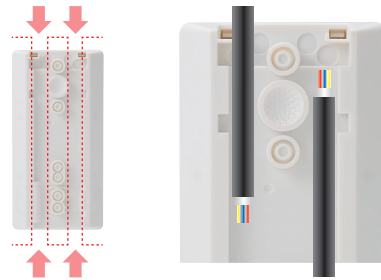
## Quick setting Plug-in EOL Unit (OPTION)

3 types of signals-Alarm, Trouble and Tamper - can be recognized by Plug-in EOL unit. Only a simple plug-in setting is required to enjoy this function.



## Quick installation Spacious Wiring Guide

Spacious wiring guide located in the rear of the detector provides an aesthetic installation and also leaves a flexibility to adjust detector location after wiring.



## Quick exchange Interchangeable Main Unit

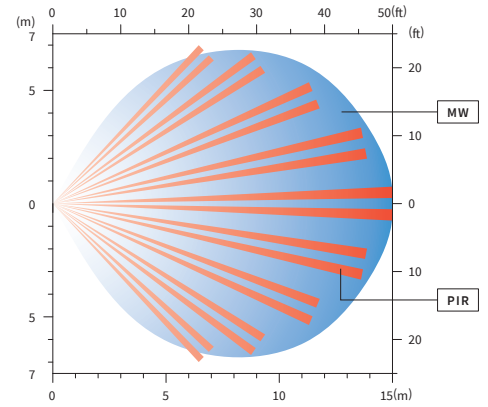
By incorporating an interchangeable main unit, CDX series can easily be switched to another model according to customer's request.



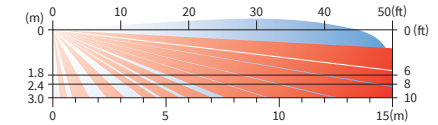
## COVERAGE

### WIDE ANGLE (CDX-AM/DAM)

#### TOP VIEW

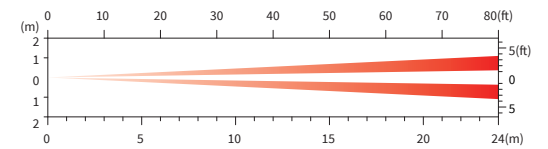


#### SIDE VIEW

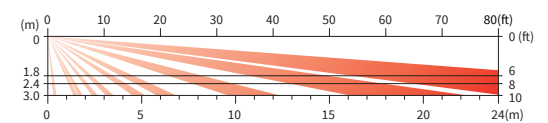


### LONG RANGE (CDX-NAM)

#### TOP VIEW



#### SIDE VIEW

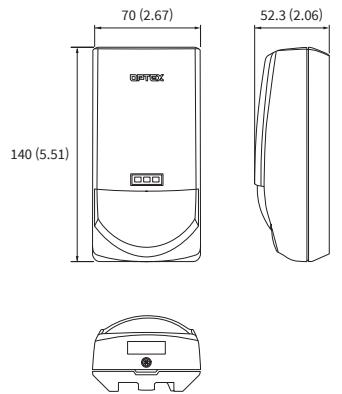


## SPECIFICATIONS

Model	CDX-NAM	CDX-AM	CDX-DAM
Detection method	Passive infrared		Passive infrared & Microwave
Detector standard	EN50131-2-2 (Grade 3)		EN50131-2-4 (Grade 3)
Masking detection method	AIR type		
PIR Coverage (Detection zones)	24m x 2m (80ft. x 7ft.) narrow (20 zones)	15m x 15m (50ft. x 50ft.) 85° wide (82 zones)	
Power supply	9 - 18VDC		
Current consumption	17mA (normal) / 20mA (max.) at 12V DC	19mA (normal) / 26mA (max.) at 12V DC	
Alarm output	N.C. 28V DC 0.2A max.		
Tamper switch	N.C. Opens when cover is removed of the wall tamper switch operates. 28V DC 0.1A max.		
Trouble output	N.C. 28V DC 0.2A max.		
Operating temperature	-10°C - +50°C (14°F - 122°F)		
Environmental humidity	95% max.		
RF interference	No alarm 10V/m		
Mounting height	1.8 - 2.4m (6 - 8ft.)		
Weight	180g (6.3oz)		
Dimensions (HxWxD)	140 x 70 x 52.3 mm (5.51 x 2.76 x 2.06 inches)		

\*Specifications and design are subject to change without prior notice.

## DIMENSIONS



Unit:mm (inch)

## OPTIONS

**FA-3**  
Compact Wall & Ceiling Bracket



**FA-1W**  
Wall Mount Bracket

