

Specifications

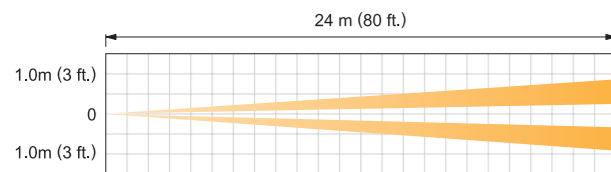
| Model | HX-80N | HX-80NAM |
|-----------------------|--|------------------------------|
| Detection method | Passive infrared | |
| Anti-masking | - | ✓ |
| PIR Coverage | 24.0 m × 2.0 m (80' × 6'7") narrow / 20 zones | |
| PIR distance limit | 6.5 m, 10.0 m, 13.0 m, 18.0 m (22', 33', 42', 59') | |
| Detectable speed | 0.3 m/s - 1.5 m/s (1'/s - 4'11"/s) | |
| Sensitivity | 2.0°C (3.6°F) at 0.6 m/s | |
| Power input | 9.5 - 18 V DC | |
| Current draw | 35 mA (max.) at 12 V DC | 40 mA (max.) at 12 V DC |
| Alarm period | 2.0 ± 1 sec. | |
| Warm-up period | Approx. 60 sec. (LED blinks) | |
| Alarm output | Form C 28 V DC 0.2 A (max.) | |
| Tamper output | N.C. 28 V DC, 0.1 A (max.) N.C. open when cover removed. | |
| Trouble output | - | N.C. 28 V DC, 0.1 A (max.) |
| Aux input | N.C. 28 V DC, 0.1 A (max.) | |
| LED indicator | Red: Warm-up, Alarm | Red: Warm-up, Alarm, Trouble |
| RF interference | No alarm 10 V/m | |
| Operating temperature | -20 - +60°C (-4 - +140°F) | |
| Environment humidity | 95% max. | |
| Weatherproof | IP55 | |
| Mounting | Wall | |
| Mounting height | 2.5 - 3.0 m (8'2" - 9'10") | |
| Bracket adjust angle | Vertical: ±20° Horizontal: ±95° | |
| Weight | 720 g (25.4 oz.) | |
| Accessories | Bracket, Screw (4 × 20 mm) × 4 | |

| Model | HX-80NRAM |
|-----------------------|--|
| Detection method | Passive infrared |
| Anti-masking | ✓ |
| PIR Coverage | 24.0 m × 2.0 m (80' × 6'7") narrow / 20 zones |
| PIR distance limit | 6.5 m, 10.0 m, 13.0 m, 18.0 m (22', 33', 42', 59') |
| Detectable speed | 0.3 m/s - 1.5 m/s (1'/s - 4'11"/s) |
| Sensitivity | 2.0°C (3.6°F) at 0.6 m/s |
| Power input | 3 - 7.2 V DC Lithium Battery (CR123A×3, CR2×3, 1/2AA×3, 1/2AA×6) |
| Operating voltage | 2.5 - 9 V DC |
| Current draw | 30 μA (standby) / 4 mA (max.) at 3 V DC |
| Alarm period | 2.0 ± 1 sec. |
| Warm-up period | Approx. 90 sec. (LED blinks) |
| Alarm output | Form C -Solid State Switch- 10 V DC 0.01 A max. |
| Trouble output | N.C./N.O. Selectable -Solid State Switch- 10 V DC 0.01 A max. |
| Tamper output | Form C, 28 V DC, 0.1 A max. activates when cover removed. |
| LED indicator | Disable: During normal operation. Enable: During WALK TEST or LED SW on. Red: Warm-up, Alarm, Trouble, Low battery |
| RF interference | No alarm 10 V/m |
| Operating temperature | -20 - +60°C (-4 - +140°F) |
| Environment humidity | 95% max. |
| Weatherproof | IP55 |
| Mounting | Wall |
| Mounting height | 2.5 - 3.0 m (8'2" - 9'10") |
| Bracket adjust angle | Vertical: ±20° Horizontal: ±95° |
| Weight | 780 g (27.5 oz.) |
| Accessories | Bracket, Screw (4 × 20 mm) × 4, Velcro tape × 2, Alarm cable, Battery lead × 2, Dummy battery kit |

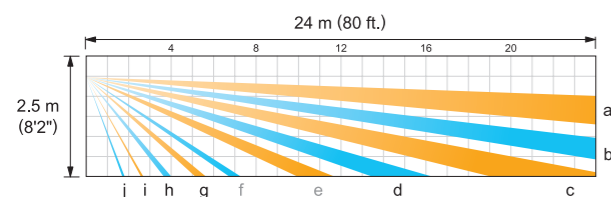
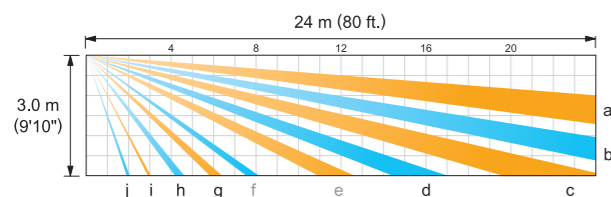
*Specifications and designs are subject to change without prior notice.
*Batteries and wireless transmitters are not included these products.

Coverage

Top view

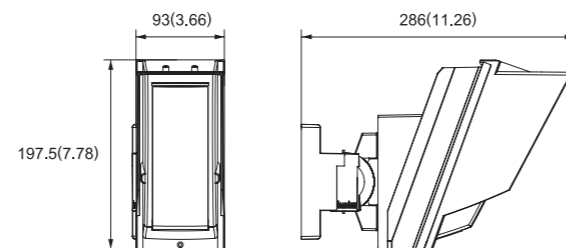


Side view

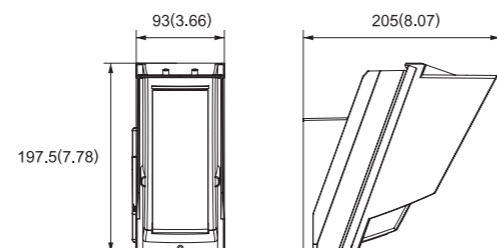


Dimensions

Using bracket



Without bracket



mm (inch)

24m Long and Narrow range High mount Outdoor detector

HX-80N series



Introducing No.1 OPTEX advantage

- HX-80N** : 2 PIRs standard model
- HX-80NAM** : Anti-masking model
- HX-80NRAM** : Battery operated model



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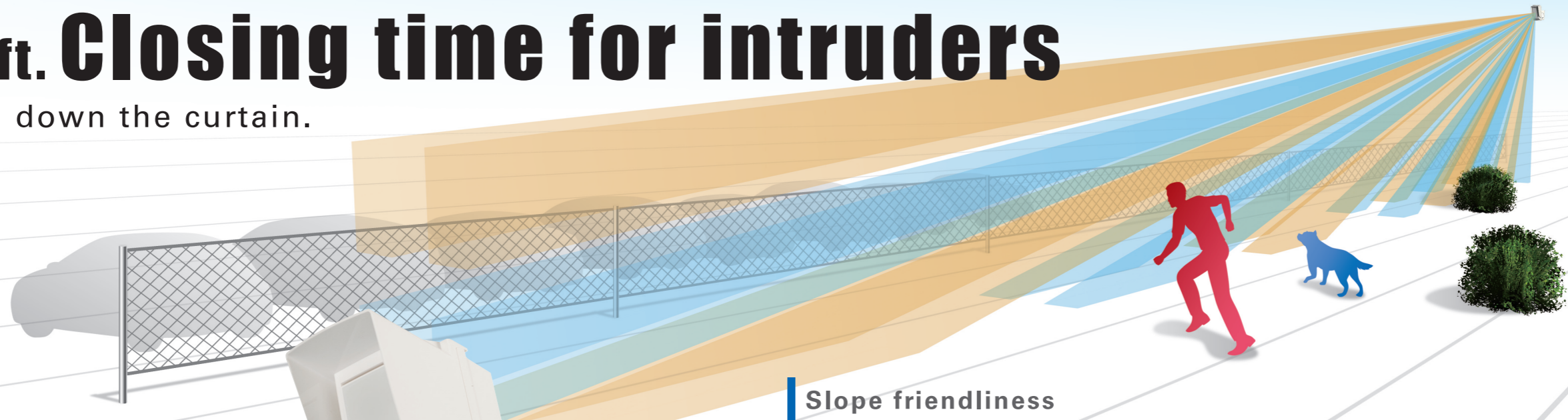
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Shenzhen office (CHINA)

24m/80ft. Closing time for intruders

We are bringing down the curtain.

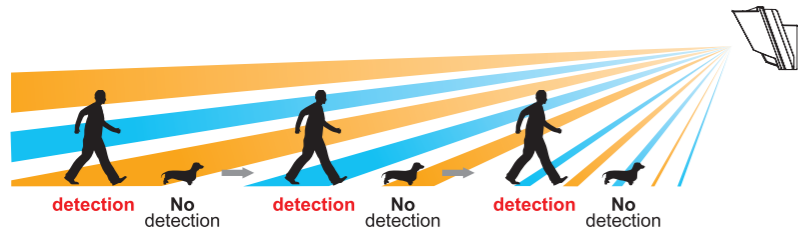


Product features

Catch performance



The HX Series features superb Catch Performance. The most important element in reliable outdoor detector is accuracy to distinguish a human from a small animal. The exclusive pyro element on board enables the HX to project an ideal detection pattern, thus allowing for more accurate detection of humans and less false alarms.

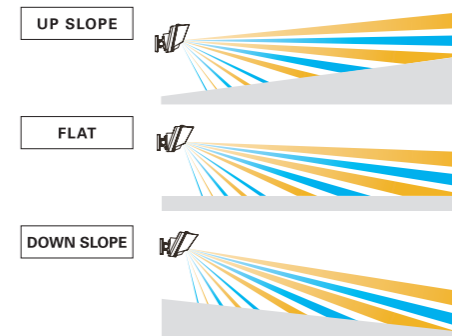


HX-80N 2 PIRs standard model

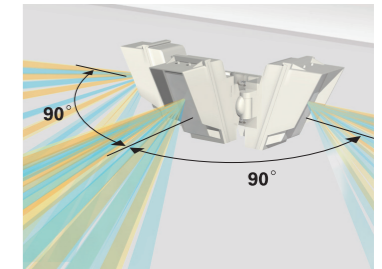


Slope friendliness

Not all outdoor ground is flat like most indoor environments. Steep slopes can cause negative effects on the catch performance feature. The adjustable included bracket enables the HX to maintain the optimal catch performance.



180° horizontal angle adjustable bracket

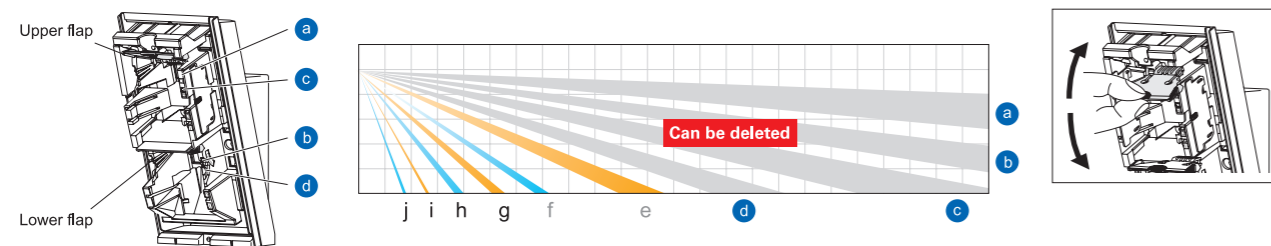


Adjustability

HX coverage can be adjusted by means of built-in flaps and plates

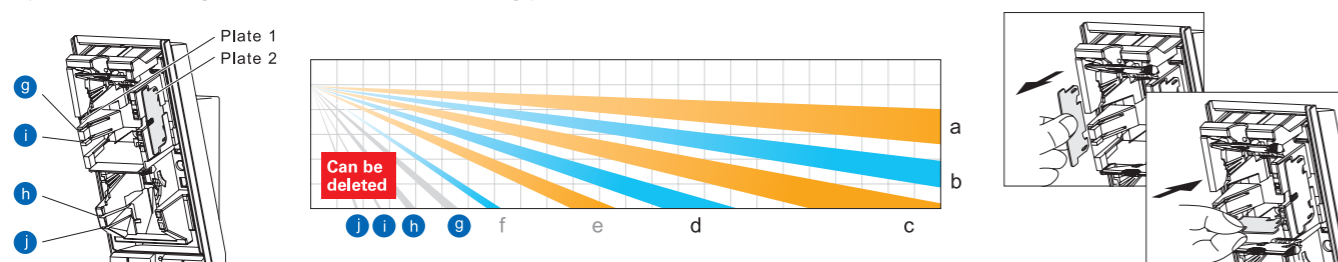
Flaps for long distance limit

To adjust the long range of detection, set the upper and lower flaps.



Plates for short range masking

To adjust the short range of detection, set the masking plates.



* Plate 1 and 2 are identical.

Basic Performance

- Mounting height 2.5-3.0m
- Intelligent AND detection logic with unique pyro-element
- Double conductive shielding
- Advanced temperature compensation logic
- Summer night compensation logic
- Vegetation sway analysis logic

Product line up

HX-80NAM Anti-masking

HX-80NRAM Battery operated model

Active IR digital anti-masking

When an object is placed close to the lens surface, for a period of more than 180 seconds, the IR Anti-Masking circuit will activate and generate a trouble signal.

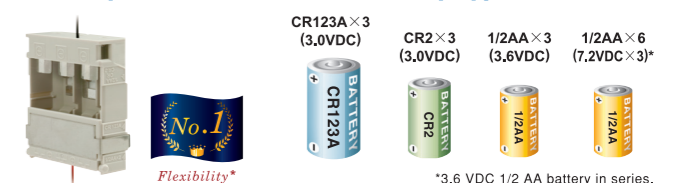


Save installation time and cost.

HX-80NRAM is battery operated model therefore requires no complicated wiring.



Battery box for numerous battery types



*3.6 VDC 1/2 AA battery in series.

Application



Residential site



Commercial site



Storage site

*According to our survey on November, 2010.