

Outdoor PIR Detector

OPT-HX-80N

Long & Narrow Range High Mount Detector

EliteControl 



Features

- Advanced temperature compensation logic
- Double conductive shielding
- Suitable for: residential, commercial & storage sites
- 24m Long & narrow high mount detection
- Outdoor ready IP55
- Catch performance ensuring reliable detection

Detection with

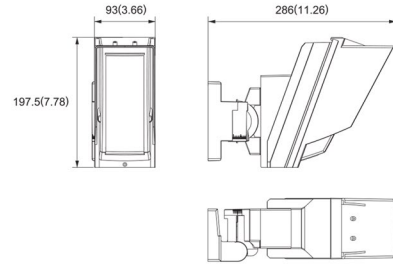


2 Year [Warranty](#)

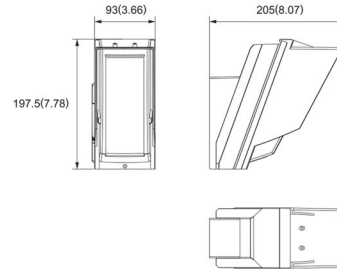
Specifications

Model	HX-80N
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
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	-
Aux input	N.C. 28 V DC, 0.1 A (max.)
LED indicator	Red Warm-up Alarm
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

Using bracket



Without bracket



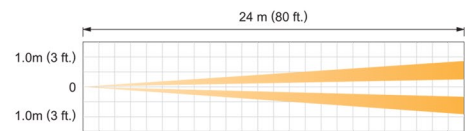
Catch Performance

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.

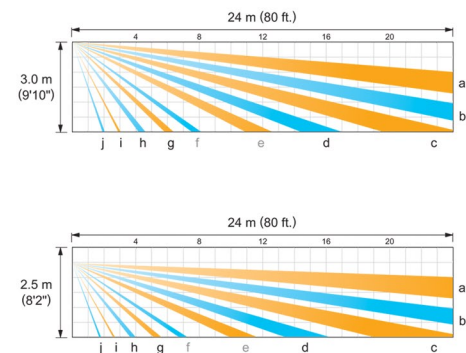


Coverage

Top view

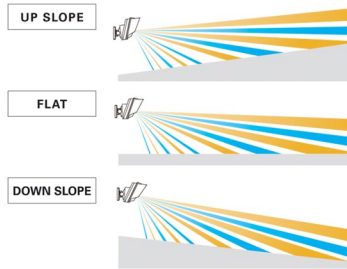


Side view

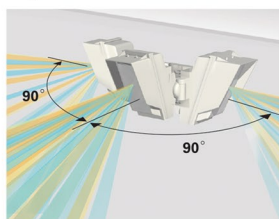


Slope Friendliness

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.

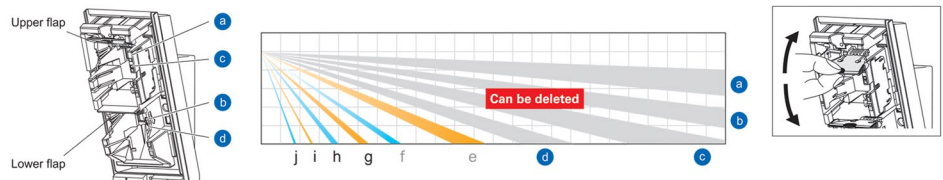


180° horizontal angle adjustable bracket



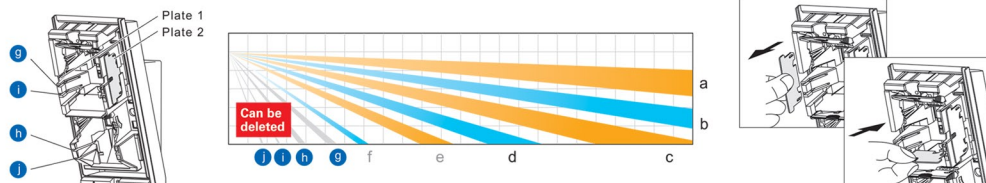
Flaps for long distance limit

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.