Synthesized Intelligent PIR
SIP-5030 SIP-100

The SIP-5030 offers wide angle-detection for large areas outside. It has an intelligent detection system that uses data from the ambient environment, such as temperature and illuminance conditions, to automatically adjust the sensitivity.

In addition, the SIP-5030 has another PIR detector on the bottom of the unit to cover the creep zone. The PIR detector on the bottom has an independent output that is separate from the main output. The main output can trigger the CCTV system, and the output from creep zone detection can be used for protection of the unit.

The SIP-100 offers detection with a long range of 100 m (300 ft.) and a total of three outputs: two separate outputs for far and near areas and another for creep-zone detection. Multiple outputs are useful for activating video transmission systems and controlling PTZ cameras. The detection angle in the main area of the SIP-5030 and SIP-100 can be adjusted to easily match the camera field of view. And, the creep zone detector can be used for detection below and around the unit.

The SIP-5030 and SIP-100 are also equipped with anti-rotation and anti-masking functions, which can detect vandalism or tampering with the unit.

FEATURES
- Intelligent PIR detection system
- Detection of ambient temperature and illuminance for automatic sensitivity management
- Advanced detection algorithm
- Double Dual/One Quad pyro-elements with patented Double Conductive Shielding for main area SIP-5030
- Double Quad pyro-elements with patented Double Conductive Shielding for main area SIP-100
- Built-in creep zone detector (Double dual pyro-elements)
- Anti-vandalism functions
- Anti-rotation function with 3-axis accelerometer
- Anti-masking function with photo-beam
- Reinforced polycarbonate housing
- Max. 4m (13ft) installation height
- Independent sensitivity selector for creep/near/far areas
- Independent N.C. and N.O. output for main area SIP-5030
- 2 x N.C. and N.O. independent output for main areas (Near and Far areas) SIP-100
- Adjustable alarm interval time
- BSI 418 Compliant - U.K.

OPTIONS
AVF-1 Area View Finder
SIP-HU Heating Unit (When the SIP-HU is used, the power for SIP series should be 22-26VAC)
OPM-WT Audio Walk Tester
SIP-MIDI HOOD Sun/Snow shield

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>SIP-5030</th>
<th>SIP-100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection method</td>
<td>Passive infrared</td>
<td>Passive infrared</td>
</tr>
<tr>
<td>Coverage [main area]</td>
<td>30 x 30 m (100 x 100 ft)</td>
<td>100 x 3 m (330 x 10 ft)</td>
</tr>
<tr>
<td>Coverage [creep zone]</td>
<td>3 x 3 m (10 x 10 ft)</td>
<td>6 x 9 m (20 x 30 ft)</td>
</tr>
<tr>
<td>Power input</td>
<td>11-14VDC, 22-26VAC with optional heating unit</td>
<td>45-65VDC, 80-265VAC with optional heating unit</td>
</tr>
<tr>
<td>Current draw</td>
<td>40mA max (24VDC), 75mA max (24VAC)</td>
<td>45mA max (24VDC), 80mA max (24VAC)</td>
</tr>
<tr>
<td>Mounting height</td>
<td>2.3 to 4.6 m (7.5 to 15 ft)</td>
<td>2.3 to 6 m (7.6 to 19.6 ft)</td>
</tr>
<tr>
<td>Sensitivity selector</td>
<td>For: SH/H/W/L, Near: SH/H/W/L</td>
<td>For: SH/H/W/L, Near: SH/H/W/L</td>
</tr>
<tr>
<td>Alarm output [main area]</td>
<td>N.O., N.C. 24VDC 0.2A max.</td>
<td>N.O., N.C. 24VDC 0.2A max.</td>
</tr>
<tr>
<td>Alarm output [creep zone]</td>
<td>N.O., N.C. 24VDC 0.2A max.</td>
<td>N.O., N.C. 24VDC 0.2A max.</td>
</tr>
<tr>
<td>Alarm interval period</td>
<td>Off/On: 30, 60 sec</td>
<td>Off/On: 30, 60 sec</td>
</tr>
<tr>
<td>Trouble output</td>
<td>N.C., 24 VDC 0.2 A max.</td>
<td>N.C., 24 VDC 0.2 A max.</td>
</tr>
<tr>
<td>Tamper output</td>
<td>N.C., 24 VDC 0.1 A max.</td>
<td>N.C., 24 VDC 0.1 A max.</td>
</tr>
<tr>
<td>Alarm period</td>
<td>Approx. 2 sec</td>
<td>Approx. 2 sec</td>
</tr>
<tr>
<td>Warm-up period</td>
<td>Approx. 60 sec</td>
<td>Approx. 60 sec</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-25 to +60°C, 40 to +60°C with optional heating unit (33 to +140°F, 40 to +140°F with optional heating unit)</td>
<td>-25 to +60°C, 40 to +60°C with optional heating unit (33 to +140°F, 40 to +140°F with optional heating unit)</td>
</tr>
<tr>
<td>P rating</td>
<td>Main unit: 65W, Chassis: 55W</td>
<td></td>
</tr>
<tr>
<td>Dimensions [H x W x D]</td>
<td>271 x 102 x 290 mm (10.7 x 4.0 x 11.4 in)</td>
<td>271 x 102 x 290 mm (10.7 x 4.0 x 11.4 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.6kg (3lb)</td>
<td>1.6kg (3lb)</td>
</tr>
</tbody>
</table>

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

SIP-5030

SIP-100

Application example:
By utilizing the multiple outputs, pan/tilt/zoom control is enabled.

The detection angle of the creep zone can be adjusted 135° horizontally as shown in gray.

Creep zone area Near area Far area

Note: The ambient temperature, installation height and mounting angle may change the detection ranges for each of the areas.

DIMENSIONS

unit:mm (Inch)

OPTEX CO., LTD.
(JAPAN)
050 9801 Certified
050 14891 Certified
5-8-12 Ogiso
Ono-Shinko, 520-0101
Japan
Tel +81-77-575-8300
Fax +81-77-577-7180
URL http://www.optex.co.jp-

OPTEX INCORPORATED
(USA)
13881 Brenon Ave.
Brea, CA 92821
U.S.A.
Tel +1-909-893-8770
Fax +1-909-893-0550
URL http://www.optexamericas.com

OPTEX (EUROPE) LTD.
(USA)
Clenmont Road, Maidenhead.
Berkshire, SL6 7BU
UK
Tel +44-1628-491000
Fax +44-1628-493211
URL http://www.opteurope.com

OPTEX SECURITY SAS
(FRANCE)
475 Rue Marie-Antoine Caron
69480 Ambérieu-Ax-Bois
France
Tel +33 437 55 90 50
Fax +33 437 55 90 50
URL http://www.optexsecurity.com

OPTEX SECURITY S.p.A.
(Poland)
ul. Błyskawica 19291
70-336 Wroclaw,
Poland
Tel: +48-22-5096-0640
Fax: +48-22-5096-0641

No. 77010-05-909-1009