

# SL-IMG01 Image Sensor Quick Installation Guide

The product is a pet-immune image sensor with a PIR enabled camera, which operates under LoRa protocol. Powered by two CR123A batteries, the device can pair with IG502L and is expected to have a battery lifetime of approximately 1 year. The camera captures images when PIR detects an intruder. Built with a light sensor and IR LED, the device allows night visions as well. With LoRa technology, data can easily travel over several kilometers, allowing the product to be placed at rural area where less reached.

## ID Outline

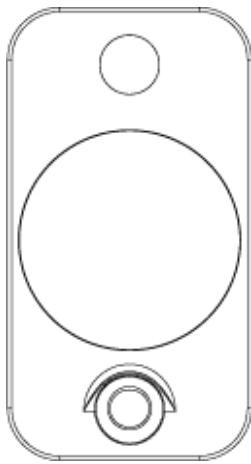


## Specification

|                                      |  |
|--------------------------------------|--|
| Frequency                            | LoRa: 902.3~915 MHz<br>BT 5.0: 2402~2480 MHz   |
| Battery Type                         | GP CR123A (1500 mAh) x 2   |
| Light Sensor                         | 0~2500 Lux   |
| Operating Temperature                | -20° C to 50° C (-4°F - 122°F)   |
| Storage Temperature                  | -10°C to 60 °C (14°F - 140°F)  |
| Operating Humidity (No Condensation) | 20% - 80%  |
| Battery Life                         | 1 Years (Assume 1 trigger event per day @25°C)   |
| Dimensions (H xW x D)                | 93.4mm x 50mm x 31.8mm   |
| Detect Range                         | Distance: Max. 10M (±1M) w/mounting height 1.8M @25°C<br>Angle: Max. 90 (±10) Degree @25°C |

## Package Contents

Sensor x 1



Accessory Pack



## Installation

1. Install the provided CR123A batteries correctly.
2. Attach the back cover and screw it in to the front cover.
3. Follow the LED behavior to for device status.
4. The recommended mounted position for a Motion Sensor should be 1.8M from the floor. At this height, the device can detect a movement up to 10M ( $\pm 1M$ ). Mounting solutions includes screws/anchors and tape options. A corner bracket can be purchased to mount the device at wall corners.

## LED Behaviour

- When the batteries are installed, the product will enter pairing state, with the LED blinking green.
- If pairing failed, the LED will turn red for 2 seconds and then turn off. the PIR LED will be blinking for 30 seconds and then turn off.
- If pairing succeeded, the LED will stay green for 2 seconds before turning off. The sensor is now ready to be used.

## Support

- Thank you for purchasing this Sercomm product. If for any reason things don't work right, or you need assistance, please contact us immediately. For detailed information on product installation, usage, specifications, and support, please visit: [mosolabs.com/support](https://mosolabs.com/support)

## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

### FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.