

PSA

Centrii

Smart Outdoor Sensor with Camera

Instruction Manual



Model:
CENSENCAM-W

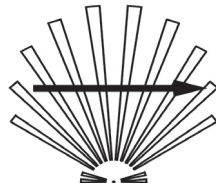
Choosing a Mounting Location

- For best results, install the device onto a solid surface. For wall mount, ~2.5m above ground level is recommended. For ceiling mount, we recommend ~ 3m above ground level.
- For outdoor installation, a location under eaves is preferable.
- Avoid aiming the device at pools, heating vents, air conditioners or objects which may change temperature rapidly.
- Do not install directly facing the sun, this will affect the PIR sensor performance.
- Avoid pointing the Sensor at trees, shrubs, or where motion of pets may be detected.
- The motion sensor is more sensitive to objects moving across its field of view. It is less sensitive to an object moving towards the sensor. (FIGURE 2)

Figure 2



Sensor
Less Sensitive



Sensor
More Sensitive

Installation

A drill and a screwdriver is needed for installation. Select a location for the unit based on the coverage angles shown in FIGURE 3.

Note: After installation, please adjust the sensor head downwards approx 25 degrees. This is the optimum angle for motion detection and for video surveillance (see Figure 4). The greater the downward angle, the shorter the detection range.

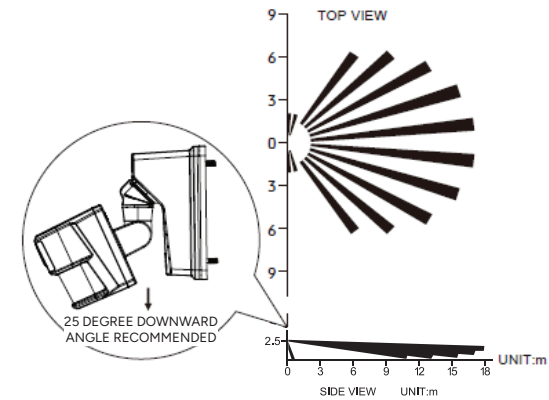


Figure 3

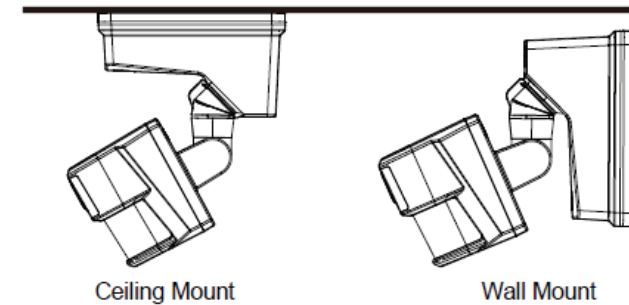


Figure 4

Install a wall switch adjacent to the power source. This helps to operate lighting in AUTO mode or MANUAL OVERRIDE mode, as FIGURE 5.

Wiring Instruction

1. Switch OFF mains power or circuit breaker.
2. Use the EVA foam as a template to mark the position of two screw holes and drill the holes on the wall or ceiling. Use supplied plugs if required.
3. Remove center portion of EVA foam to allow for wires and attach the EVA foam sticker onto the wall/ceiling.
4. Remove terminal block and connect the Live incoming supply to "A" terminal, Neutral incoming supply to "N" terminal. Connect the load active to "LOAD" terminal & load neutral to "N" terminal. (See Figure 5). The "LOOP" terminal is a spare terminal.
5. Insert the wired terminal block to the terminal standoff
6. Mount and screw the unit onto the wall/ceiling perfectly aligned with EVA foam for waterproof protection. Insert two small silicone plugs provided into two screw holes for complete waterproof protection. (See Figure 6)
7. Depending on wall/ceiling surface (uneven brick work, porous etc), if required, please apply silicone to areas where water may ingress (See Figure 7)
8. Switch ON mains & switch. Allow the device to warm up before connecting to the APP. Once the red LED is flashing quickly, it is ready to pair.

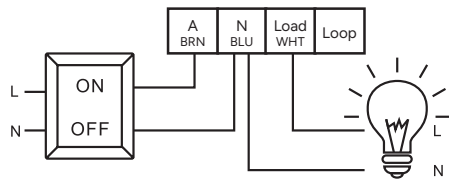


Figure 5

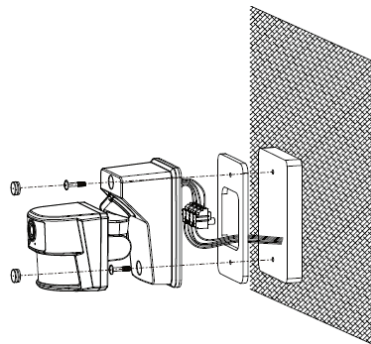


Figure 6

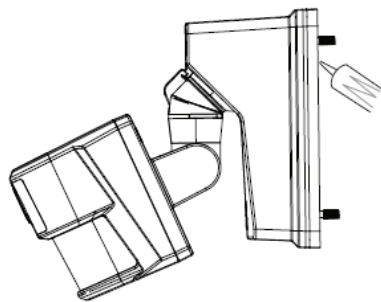


Figure 7

App Pairing

Before installation, please note the name of your Wi-Fi network and password. This device only works on a **2.4GHz Wi-Fi network**. And it requires a strong Wi-Fi signal at the location of installation. After installation, pair the device to your APP account using the following steps:

1. Download "PSA Centrii" APP from the Apple Store or Google Play, follow the instructions on screen to create an account.
2. Open APP
 - Tap "Add Device" at right top corner (Figure 8)
 - Select "Security" category
 - Select "Outdoor Sensor Camera"
 - Confirm "QR Code for Camera" is shown on top right of App screen. Otherwise, tap it to change selection. (Figure 9)
 - Power on the device, and wait several minutes for blinking indicator.. Then tap "Confirmed indicator is rapidly blinking".
 - Tap "Next"
 - Select your 2.4GHz Wi-Fi Network and enter password
 - Tap "Next"
 - Show the QR Code on your phone screen to the camera module. Move your phone screen back & forth slowly until you hear a prompt tone. Then tap "I heard a Prompt". (Figure 10)
 - Device Registration process will start. Once successfully paired, the App will prompt you to continue." (Figure 11)
3. Look for the Outdoor Sensor Camera in the device list of the Main Menu.

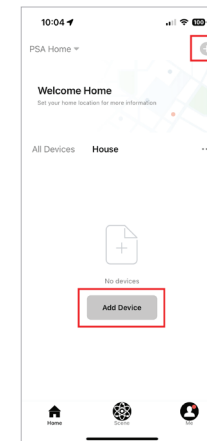


Figure 8



Figure 9

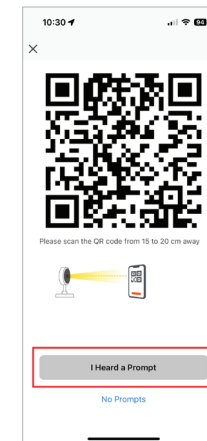


Figure 10

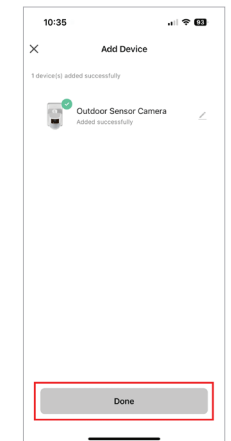


Figure 11

APP Settings

1. Mode Settings (Figure 12) : there are four options.

Test Mode	For testing an installed device. The Light will turn ON when motion is detected; regardless of ambient brightness.
AUTO Mode	PIR will automatically activate light at low lux levels.
Light On Mode	When selected, the Light will stay ON permanently.
Light Off Mode	When selected, the Light will stay OFF permanently.



Mode Settings
Figure 12

2. Triggered Light-On Duration (Figure 13)

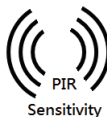
Once triggered, the Light will stay ON for a duration of between 20 to 900 seconds. This duration is adjustable in steps of 20 seconds.



Triggered Light-ON Duration
Figure 13

3. PIR Sensitivity (Figure 14): The detection distance for all three options is dependent on the downward angle of the installed sensor.

High	Factory default Detection distance up to 18m
Middle	Detection distance up to 12m
Low	Detection distance up to 6m



PIR Sensitivity
Figure 14

***NOTE: Distances above are based on ambient air temperature of 20°C at 2.5m mounting height.**
- Detection distance can be affected by ambient air temperature. Warmer weather will decrease sensitivity, colder weather will increase sensitivity.

4. Light-On Options (Figure 15)

When the ambient brightness is low and less than 15 lux, there are three lighting options :

OFF (default)	Light comes ON when motion is detected.
D2D	If Mode is set to AUTO, automatically turn ON the Light from dusk to dawn.
PRESET	Turns ON Light for the preset time: <ul style="list-style-type: none"> Light On Preset ranges from 1 hour to 12 hours, with adjustable steps of 1 hour intervals.. When ambient brightness falls lower than 15 lux, the light turns ON for the preset time. And the Light will always turn OFF automatically during daytime, even if the preset time had not yet expired.



Lighting Options
Figure 15

*** NOTE: For Light-ON Options to operate, mode setting must be on AUTO.**

Manual Override

A wall switch can be used to manually override the Light to keep it ON, regardless of any detected motion.

To override the Light, first turn ON the wall switch. Then rapidly turn the wall switch OFF >>> ON >>> OFF. Pause for 2 secs, then turn it back ON again. The Light will remain ON for about 5 hours, and then revert to AUTO mode afterwards.

To cancel manual override, repeat the above switching pattern on the Wall Switch.

The App can also cancel the manual override; by selecting "Light Off Mode" (under Mode Settings), and then selecting AUTO mode again.

Troubleshooting

Cannot connect to app or network:

- Ensure there is a strong 2.4GHz Wi-Fi signal where the device is located.
- This product connects to 2.4GHz Wi-Fi only. Your modem may be dual band 2.4GHz and 5.0GHz. and the device maybe trying to connect to 5.0GHz. You will need to split your SSID (via modem settings) so you can connect to correct bandwidth.
- This product uses WPA2 Encryption. Go to modem settings to turn off WPA3 and use WPA2 instead.

Light does not turn on:

- Confirm that you have made a correct "wiring connection".
- Check the setup or environment has sufficient light source.
- Examine if the bulb of the lighting system is in good condition or loose. If necessary, replace it.
- Check if the total load of the lighting system exceeds the lighting capacity. If necessary, rewire the lighting circuit to reduce the electrical load.

Light remains on:

- Check the setup.

Specifications

Power Requirement	230 - 240V AC / 50Hz
Rated Current	10A
Lighting Load	Up to 2400W Incandescent Up to 1000W Fluorescent Up to 300W LED's
PIR motion sensor coverage (at 20°C)	max 180° Up to 18m*
Adjustable Angles	Vertical 60° (down) Horizontal 120° (left - right)

Specifications

Mounting Height	Recommended 2.4~3 meters
Sensor Operation	Auto / Manual Override
Time Settings	Approx. 20 sec ~ 900 sec via APP
Lux Settings	Night mode < 15 lux Daytime mode > 20 lux
Startup Time	About 1 min.
Image Sensor	CMOS 1/3 inch
Field of View	H : 100°, V : 50° / ±5°
Lens/F-Stop	2.8mm F2.0
Resolution	1920 * 1080 pixels (Hi) 640 * 360 pixels (Lo)
Image Colour	Colour (Day time) Black & White (Night time)
Compression	H.264
Audio	Microphone, 1W speaker
WiFi	2.4GHz IEEE802.11 b/g/n
Storage	MicroSD card (max. 128GB) or Cloud (Subscription)
Protection Degree	IP65, UV protected
Safety Compliance	CE, RCM, SAA231332

***Ambient air temperature will affect PIR detection range.
Specifications are subject to change without prior notice.**

Warning

Do not dispose of electrical devices as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical devices are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

Warranty

1. PSA Products Pty Ltd (ABN: 99 076 468 703) of 17 Millicent Street, Burwood 3125 Victoria, Australia warrants this product for a period of 24 months from the date of purchase, as reflected on the Authorised Resellers or Distributors invoice/ receipt provided to you. PSA Products Pty Ltd will repair or replace the product (at the option of PSA Products) due to any manufacturing defect, at the cost of PSA Products Pty Ltd (excluding any labour costs relating to removal or re-installation of product, and transport costs).
2. This warranty shall not apply to the product if it has been damaged, modified, abused or altered after the date of purchase, or if it fails to operate due to improper maintenance.
3. To the extent permitted by law, the liability of PSA Products Pty Ltd arising from the sale or under the terms of this limited warranty shall not in any case exceed the cost of replacement and subject to this clause. In no case shall PSA Products Pty Ltd be liable for consequential loss or damages resulting from the failure of the product or breach of this, or: Any other warranty, express or implied, loss or damage caused by failure to abide by the instructions supplied in the leaflets.
4. To the extent permitted by law, PSA Products Pty Ltd., makes no warranty, expressed or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect to the consumer replaceable battery if any. A product with non-serviceable built-in battery is covered under warranty of the product as per point 1.
5. This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.
6. To make a claim under warranty, take the product (with a proof of purchase) to the store where you purchased the product or contact PSA Products Pty Ltd. Phone (03) 9888 9889. or Email: enquiry@psaproducts.com.au with details, proof of purchase or expense claim in writing.



PSA

PSA Products Pty Ltd
17 Millicent St, Burwood,
VIC 3125 Australia.

T. 1300 772 776

enquiry@psaproducts.com.au
psaproducts.com.au