

SINGLE CAMERA DEVICE REC-PH550&REC-AI550I

DEVICE INSTALLATION GUIDE

Dec | 2023

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Single Camera Device Installation REC-PH550

The installation position of Single camera device and Magnet are depended on the cooler model.

The next section will explain the installation position.

Important Conditions for Installation:

- § Single camera device must always be installed in the Cooler cabinet. Edge of the door, opposite of the hinge.
- § Make sure the magnet symbol points opposite of the door hinge and towards the magnet installed inside the cabinet.
- § Clear the cooler surface using a tissue if dust or water particles are available.
- § Make sure Device's camera positioned at center of the cooler (Measure and Mark Centre point of the cooler before installation).

REC-PH550I-B:3.6V DC,1A;REC-PH550I-W&REC-AI550I-W:12-24V DC,0.5A

- § Input Voltage(DC):



Measure the height of the inner glass of the cooler door.



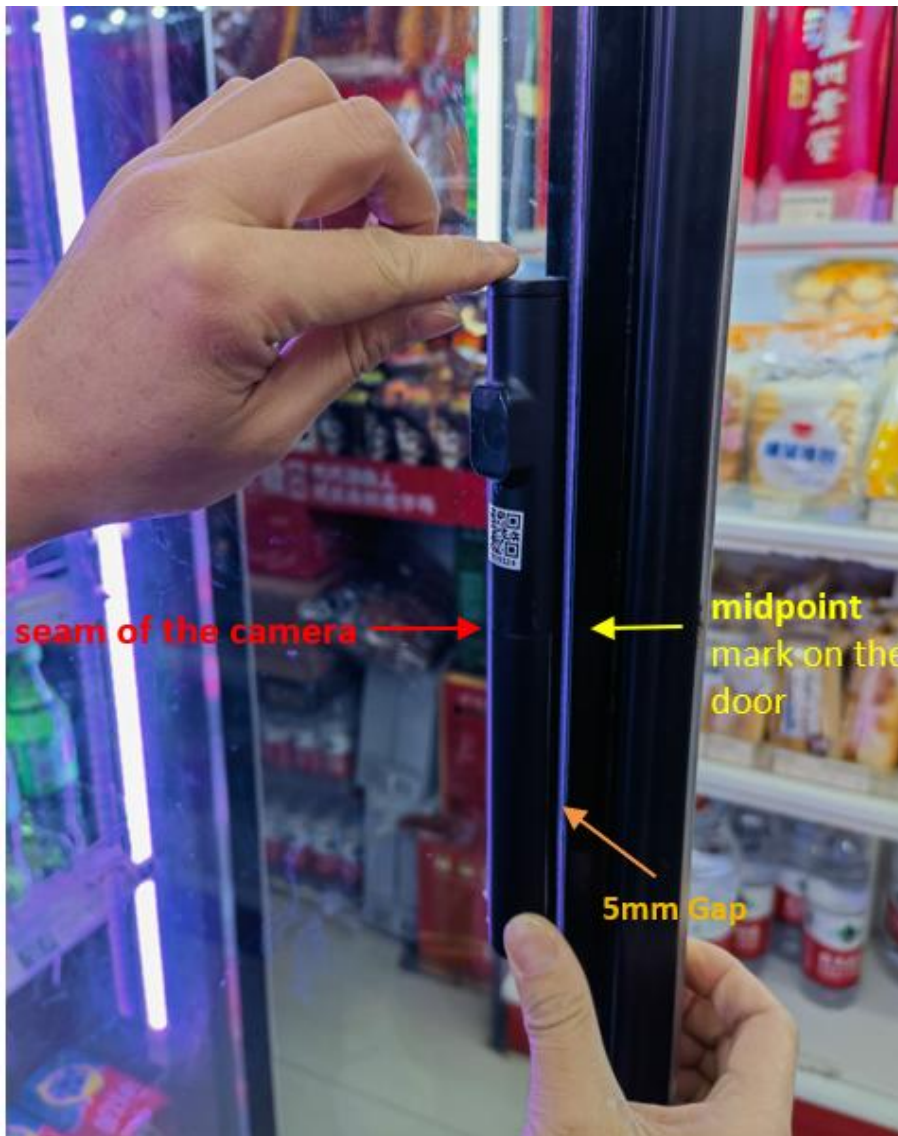
Wipe the mid of glass, remove any stains, and keep it dry.



Calculate the midpoint position and mark it.



Take out the camera that matches the right-hinged door, and peel off the tape protective film.



Vertically adhere the camera module to the inner glass.

- Align the **seam** of the camera with the **midpoint mark** on the door horizontally.
- Maintain about **5mm** gap between the camera and the edge of the cooler door.



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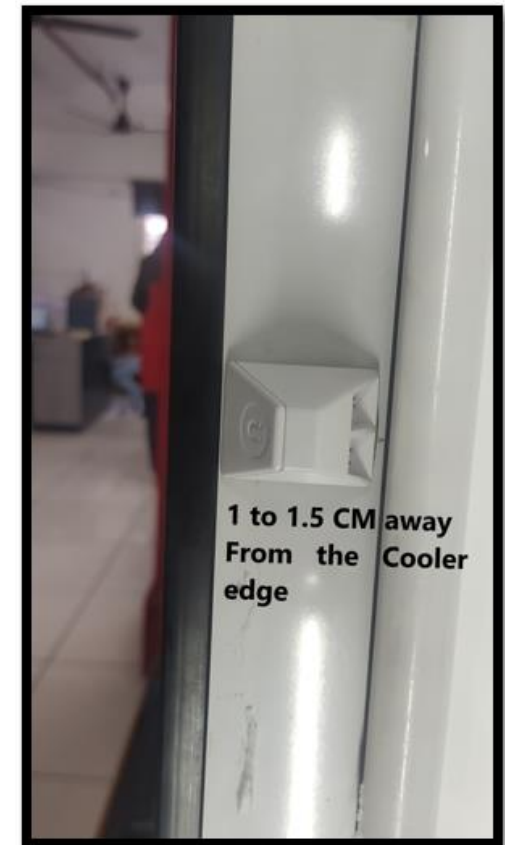
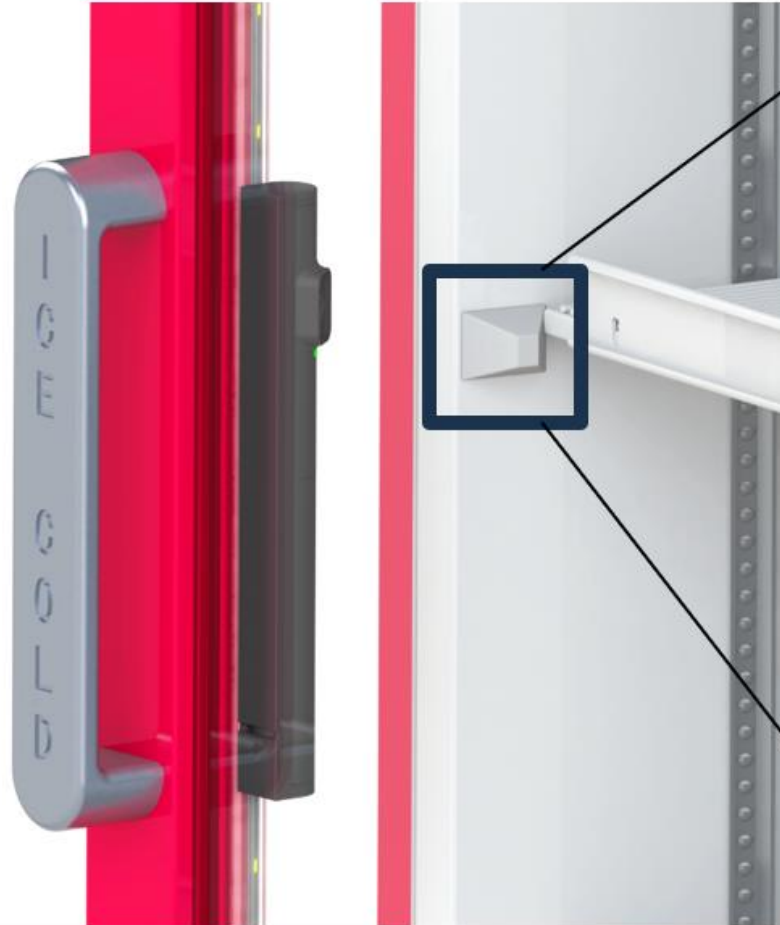
Magnet Installation

The magnet installation position might depend on the cooler model.

Important Conditions for Installation:

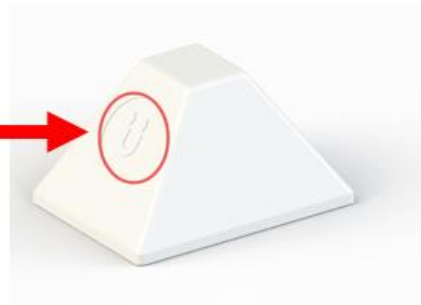
- § The magnet is always installed opposite to the Single camera device (Magnet should be installed edge of the device and front of the magnet sensor)
- § The magnet must be placed on the wall of the cooler such that when the door is closed, the magnet lies <2 cm from the Single camera device door sensor position.
- § Wipe the moisture from the installation spot using dry tissue.
- § Peel the cover from the 3mm tape and paste the magnet on the required position.

- The magnet must be placed exactly perpendicular to the Single camera device on the inside edge of the cooler.





The front side markings of the magnets.



- Ensuring that the magnet markings are aligned with the bottom edge of the camera frame on the same horizontal line.

Note: After the installation done successfully, Take a door event and keep eye on LED to ensure a perfect Installation. Green LED will turn On when Device sense the magnet



Association Process:

- To fulfill Association process successfully Please provide cooler serial number and Device serial number.

The Specification

§ Band info: CAT1, LTE-FDD: B2/4/5/12/13/66

§ TX Power Class 3, LTE: 23.0dBm \pm 2.7dBm

§ Antenna Gain:

Frequency(MHZ)	Peak gain (dBi)
1850-1910	1.18
1710-1755	1.2
824-849	-0.11
699-716	-1.28
777-787	-1.23
1710-1780	1.2

§ BLE 5.0:2400-2483.5MHZ, power:6dBm , antenna gain: 4.3dBi

FCC Compliance

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

This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 or more 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body