



# **DS-PDPC18-HM-WE&WB&WEUHK&WBUHK**

## **Wireless Double PIR Camera Detector**

**User Manual**

## Legal Information

### About this Document

- This Document includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only.
- The information contained in the Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website ( <https://www.hikvision.com> ). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

### About this Product

This product can only enjoy the after-sales service support in the country or region where the purchase is made.

### Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

### LEGAL DISCLAIMER

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE

## DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---

PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

**© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.**

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

| Symbol                                                                                           | Description                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Danger</b>  | Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.                                                         |
|  <b>Caution</b> | Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results. |
|  <b>Note</b>    | Provides additional information to emphasize or supplement important points of the main text.                                                                   |

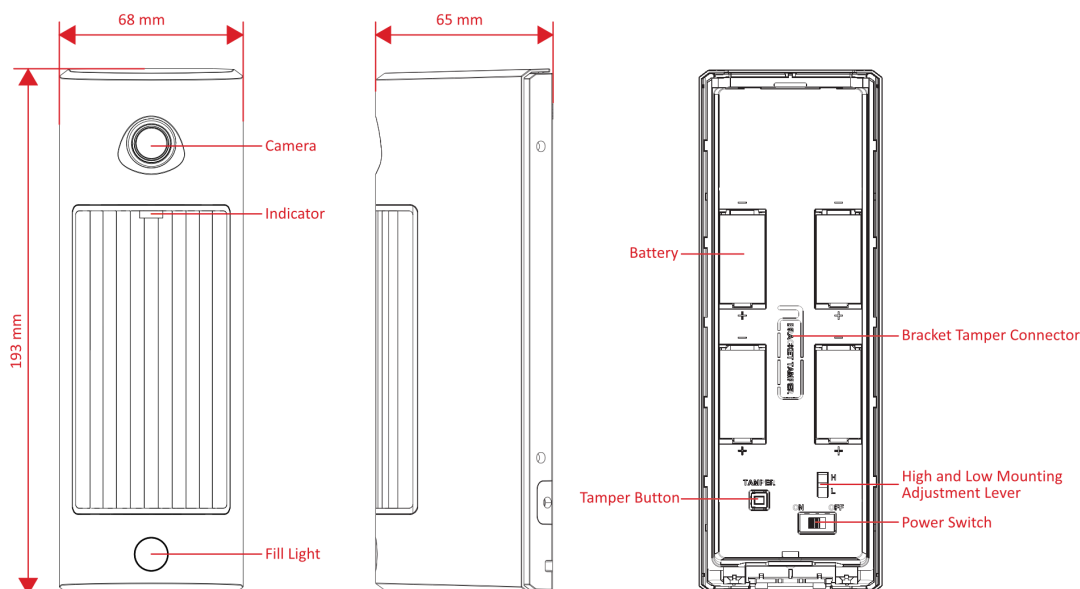
## Contents

|                                           |           |
|-------------------------------------------|-----------|
| <b>Chapter 1 Appearance .....</b>         | <b>1</b>  |
| <b>Chapter 2 Enrollment .....</b>         | <b>2</b>  |
| 2.1 Enrollment via Web Browser .....      | 2         |
| <b>Chapter 3 Test .....</b>               | <b>3</b>  |
| <b>Chapter 4 Installation .....</b>       | <b>4</b>  |
| 4.1 Installation Preparation .....        | 4         |
| 4.2 Device Installation .....             | 5         |
| 4.2.1 Mounting with Screws .....          | 5         |
| 4.2.2 Mounting with Bracket .....         | 6         |
| 4.3 Shelter Installation (Optional) ..... | 9         |
| <b>Chapter 5 Configuration .....</b>      | <b>11</b> |
| 5.1 Configure via App .....               | 11        |
| 5.2 Configure via Web Browser .....       | 12        |
| <b>Chapter 6 Specifications .....</b>     | <b>15</b> |

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

## Chapter 1 Appearance

Check components location and name for further use.



**Figure 1-1 Appearance**

| Indicator Status              | Device Status               |
|-------------------------------|-----------------------------|
| Green LED remains on for 1 s  | Power on                    |
| Green LED flashes 7 times     | Enrolled                    |
| Blue LED remains on for 2 s   | Overall Alarm               |
| Green LED remains on for 2 s  | Upper PIR Triggered         |
| Orange LED remains on for 2 s | Lower PIR Triggered         |
| Orange LED flashes for 3 s    | Self Test Failed or Timeout |

## Chapter 2 Enrollment

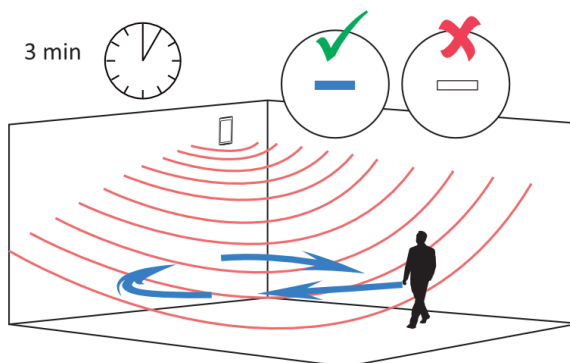
### 2.1 Enrollment via Web Browser

#### Steps

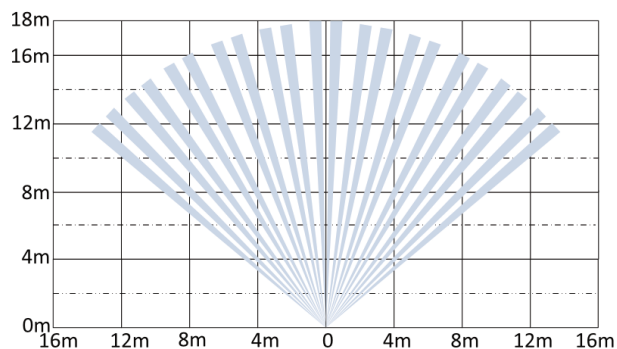
1. Enter the control panel's IP address in the address bar of the mobile browser and press **Enter** to enter the login page. Enter the user name and the password. Click **Login**.
2. Click **Device → + Add**.
3. Select adding method.
  - Click **Enroll in Batch → Next**, the enrollment mode will be enabled, the device will be enrolled to the control panel automatically.
  - Click **Manually Add → Next**, enter the serial No. to enroll the device.
4. Adjust the knob to the unlock icon.
5. Press the button to remove the rear panel and the middle frame.
6. Install 4 batteries into the device and turn on the power switch. The green LED remains for 1 s.
7. The green LED flashes for 7 times, the device is enrolled.

## Chapter 3 Test

The device will enter test mode (3 min) after being enrolled. Or Tap  → **Detection Zone Test** .  
Trigger the device within the range. If the indicator turns blue, the installation position is properly.  
If the indicator is still off, adjust the position of the device.

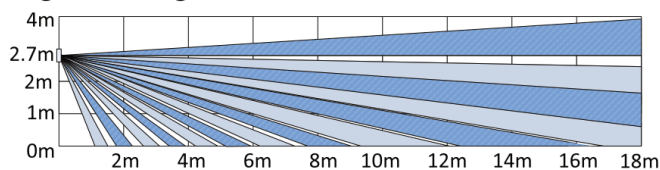


### Top View

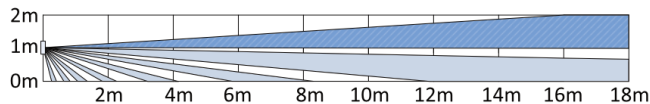


### Side View

#### High Mounting



#### Low Mounting

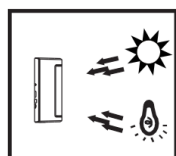


## Chapter 4 Installation

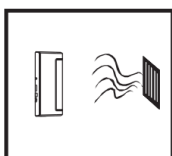
### 4.1 Installation Preparation

#### Steps

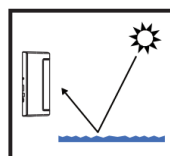
1. Check the installation environment.



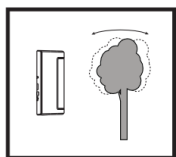
Facing Direct  
Strong Light



Source of air  
currents



Facing reflective  
surfaces

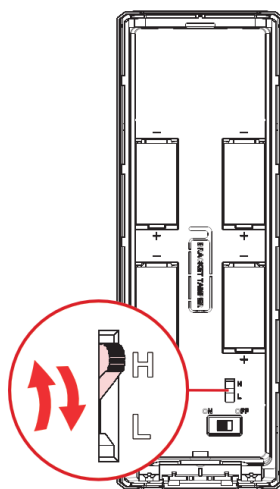


Areas with  
moving objects



Surface that absorb heat or rapid  
temperature change area

2. Adjust the mounting height.



#### H Model

2.5 to 3 m (typical 2.7 m)

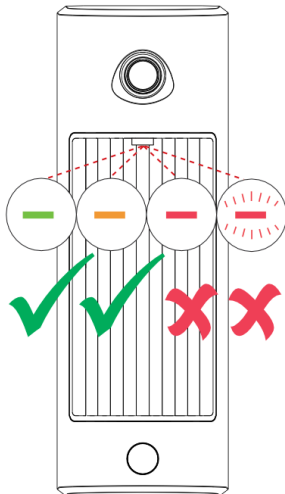
#### L Model

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---

0.8 to 1.2 m (typical 1 m)

3. Tap the device on the device list page. And tap  → **Signal Strength Test** to check signal strength.

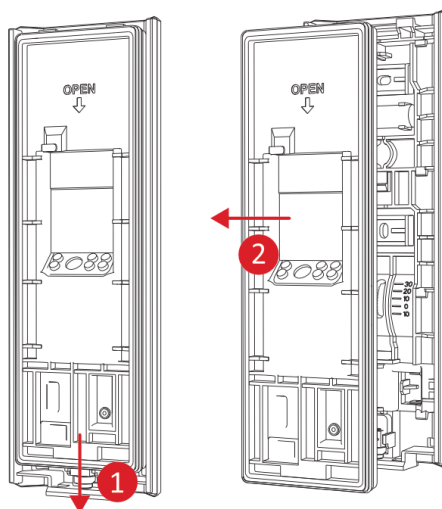


## 4.2 Device Installation

### 4.2.1 Mounting with Screws

#### Steps

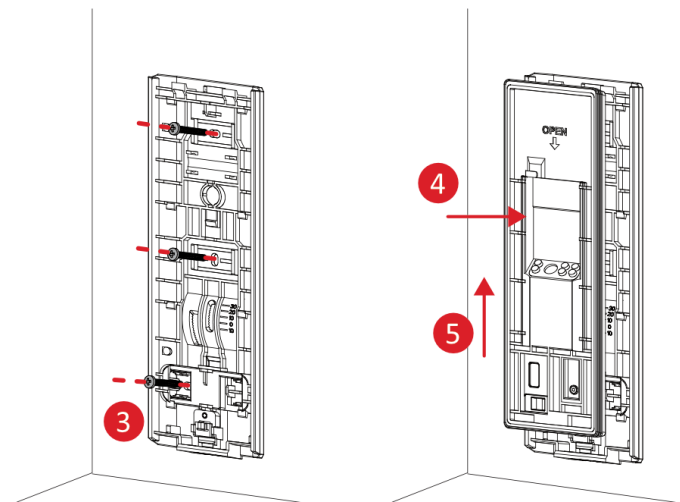
1. Slide the middle frame downward.
2. Separate the middle frame and the rear cover.



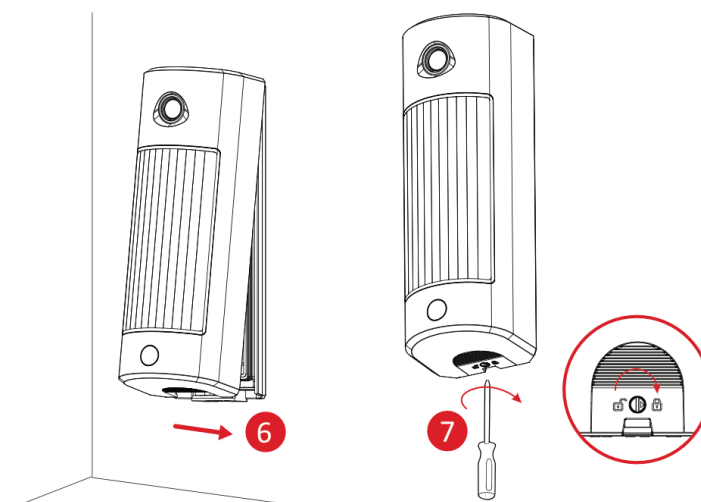
# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---

3. Secure the rear cover with 2 screws (SC-PA3.5×25).
4. Put the middle frame back.
5. Slide up the middle frame to secure it to the rear cover.



6. Install the front cover back.
7. Adjust the knob to the lock icon.



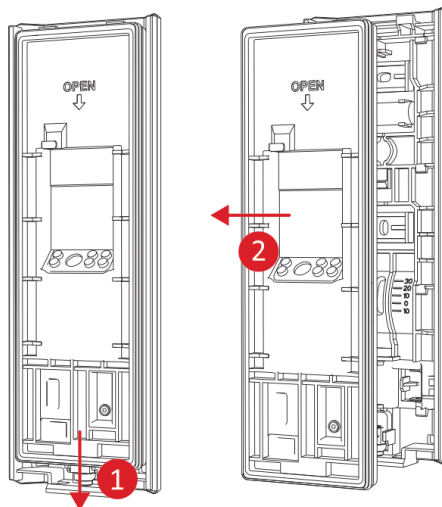
## 4.2.2 Mounting with Bracket

### Steps

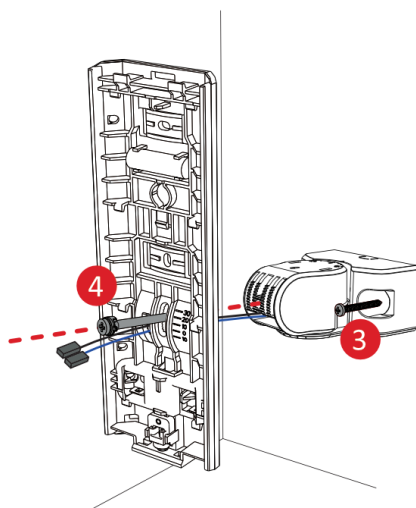
1. Slide the middle frame downward.
2. Separate the middle frame and the rear cover.

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---



3. Secure the bracket with 2 screws (SC-PA3.5 × 25).
4. Thread the tamper wire out of the hole. Install the rear cover to the bracket with 1 screw (SC-PM4 × 35).



5. Remove the soft glue at the threading hole of the middle frame.



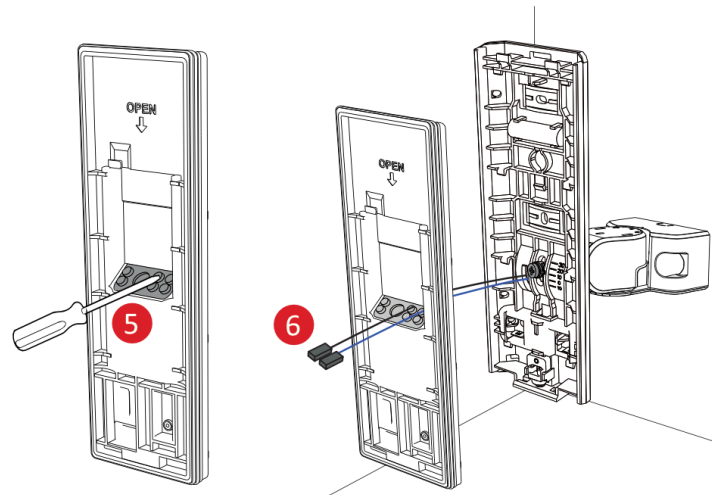
## Note

It's recommended to use a screwdriver to remove the glue from the back.

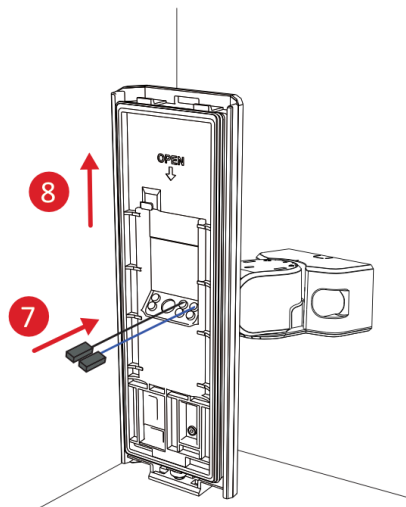
6. Thread the tamper wire through the hole of the middle frame.

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---



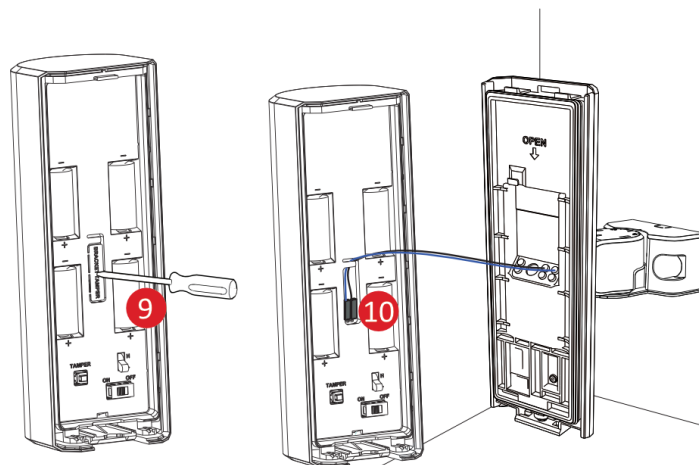
7. Put the middle frame back.
8. Slide up the middle frame to secure it to the rear cover.



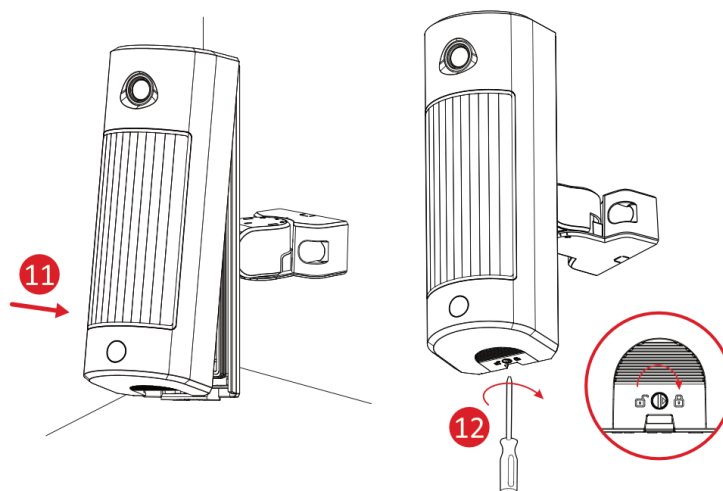
9. Remove the bracket tamper connector.
10. Connect and fix the tamper wire with the bracket tamper connector.

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---



- 11. Install the front cover back.
- 12. Adjust the knob to the lock icon.



## 4.3 Shelter Installation (Optional)

In order to prevent rainwater from forming a rain curtain on the surface of the device lens; To prevent snow from covering the lens or icicles from forming after the snow melts, you can install the shelter on the top of the device to ensure better detection.

### Steps

- 1. Check the installation environment.

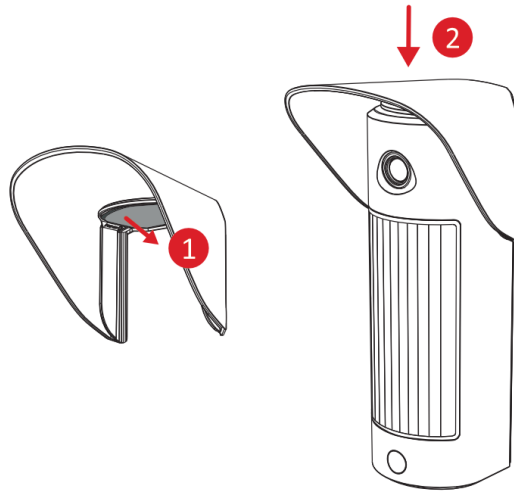
## DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---



### Note

- The recommended environment temperature is 20 to 40 °C.
  - Ensure that the surface to be pasted is free of dust, oil stains, wet spots, etc. Please clean the surface before pasting.
- 
2. Paste the double-sided tape onto the top of the inner shelter, and remove the adhesive sticker.
  3. Install the shelter to the device, and ensure it is tightly pressed.



## Chapter 5 Configuration

### 5.1 Configure via App

Tap the device on the device list page, and tap  to configure device parameters.

#### **Name**

Edit device name.

#### **Area**

Select linked area or add new area.

#### **Zone Type**

Select a zone type.

##### **Instant**

This Zone type will immediately trigger an alarm event when armed.

##### **Delay**

##### **Entry Delay Time**

Entry Delay provides you time to enter the zone to disarm the system without alarm. After triggering, if the zone is not disarmed or silenced before the entry delay time ends, the zone will alarm.

##### **Exit Delay Time**

Exit Delay provides you time to leave through the zone without alarm. You should confirm faults first, and then the zone is in arming process. If the delay zone is triggered within the exit delay time but it restores before the time ends, the alarm will not be triggered and the zone will be armed.

##### **Stay Arm Delay Time**

Stay arming uses Stay Arm Delay Time to count down. The system gives entry/exit delay time when it is armed or reentered. It is usually used in entrance/exit route (e.g. front door/main entrance), which is a key route to arm/disarm via operating keypad for users.

##### **Follow**

The zone acts as delay zone when it detects triggering event during system Entry Delay, while it acts as instant zone otherwise.

##### **24-hour**

The zone activates all the time with sound/light output when alarm occurs, whether it is armed or not. It is usually used in fire hazardous areas equipped with smoke detectors and temperature sensors.

#### **PIR Sensitivity**

Select the sensitivity level of PIR detection.

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---

## **Image Resolution**

Select how many pixels are in each inch of the image. The larger the value, the higher the resolution.

## **Image In Series**

Set the number of images captured by the camera during a single trigger.

## **Trigger Interval**

Select the time interval at which the alarm will be triggered.

## **LED**

When enabled, the LED indicator will indicate different device status.

## **Activation Limit**

When the number of times the infrared detector is triggered exceeds the set value, the alarm will no longer be triggered.

## **Polling Rate**

Set the interval at which the system requires the device to return a report. If the device takes longer than the **Polling Failure Times to Determine Offline** to reply, the system will report faults and the status of device will be shown as offline.

## **Find Me**

Enter the find me mode to search for the device location.

## **Buzzer**

When enabled, the buzzer will sound once when there is no picture alarm, picture alarm, fault prompt, or fault occurs or recovers.

## **5.2 Configure via Web Browser**

Select the device on the device list, and click  to configure device parameters.

### **Name**

Edit device name.

### **Area**

Select linked area or add new area.

### **Zone Type**

Select a zone type.

#### **Instant**

This Zone type will immediately trigger an alarm event when armed.

#### **Delay**

**Entry Delay Time**

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---

Entry Delay provides you time to enter the zone to disarm the system without alarm. After triggering, if the zone is not disarmed or silenced before the entry delay time ends, the zone will alarm.

## **Exit Delay Time**

Exit Delay provides you time to leave through the zone without alarm. You should confirm faults first, and then the zone is in arming process. If the delay zone is triggered within the exit delay time but it restores before the time ends, the alarm will not be triggered and the zone will be armed.

## **Stay Arm Delay Time**

Stay arming uses Stay Arm Delay Time to count down. The system gives entry/exit delay time when it is armed or reentered. It is usually used in entrance/exit route (e.g. front door/main entrance), which is a key route to arm/disarm via operating keypad for users.

## **Follow**

The zone acts as delay zone when it detects triggering event during system Entry Delay, while it acts as instant zone otherwise.

## **24-hour**

The zone activates all the time with sound/light output when alarm occurs, whether it is armed or not. It is usually used in fire hazardous areas equipped with smoke detectors and temperature sensors.

## **PIR Sensitivity**

Select the sensitivity level of PIR detection.

## **Image Resolution**

Select how many pixels are in each inch of the image. The larger the value, the higher the resolution.

## **Image In Series**

Set the number of images captured by the camera during a single trigger.

## **Trigger Interval**

Select the time interval at which the alarm will be triggered.

## **Silent Alarm**

After enabled, when an alarm is triggered, only the report will be uploaded and no sound is emitted.

## **LED**

When enabled, the LED indicator will indicate different device status.

## **Activation Limit**

When the number of times the infrared detector is triggered exceeds the set value, the alarm will no longer be triggered.

## **Polling Rate**

## DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---

Set the interval at which the system requires the device to return a report. If the device takes longer than the **Polling Failure Times to Determine Offline** to reply, the system will report faults and the status of device will be shown as offline.

### **Buzzer**

When enabled, the buzzer will sound once when there is no picture alarm, picture alarm, fault prompt, or fault occurs or recovers.

Click **Save**.

Click  to view the device status.

Click  , the device will enter the find me mode to search for the device location.

## Chapter 6 Specifications

| Model<br>WE: 868 MHz<br>WB: 433 MHz |                                   | DS-PDPC18-HM-WE/<br>DS-PDPC18-HM-<br>WEUHK | DS-PDPC18-HM-WB/<br>DS-PDPC18-HM-<br>WBUHK |
|-------------------------------------|-----------------------------------|--------------------------------------------|--------------------------------------------|
| Detection performance               | Detection method                  | Passive Infrared, Video Verification       |                                            |
|                                     | Detection range                   | 18 m                                       |                                            |
|                                     | Detection angle                   | 90°                                        |                                            |
|                                     | Detection zones                   | 118                                        |                                            |
|                                     | Detectable speed                  | 0.3 to 2 m/s                               |                                            |
|                                     | Sensitivity                       | Auto, High, Low                            |                                            |
|                                     | Pet immunity                      | 24 Kg                                      |                                            |
|                                     | White light filter                | 20000 lux                                  |                                            |
|                                     | Digital temperature compensation  | Support                                    |                                            |
| Feature                             | Digital processing                | Support                                    |                                            |
|                                     | Sealed optics                     | Support                                    |                                            |
|                                     | Tamper protection                 | Front, Rear                                |                                            |
|                                     | Environment temperature indicator | Support                                    |                                            |
|                                     | Signal strength indicator         | Support                                    |                                            |
| Video                               | Field angle                       | 113°(H), 60°(V)                            |                                            |
|                                     | Image type                        | JPEG                                       |                                            |
|                                     | Resolution                        | 320*240*3pic, 160*120*5pic                 |                                            |
|                                     | Fill light                        | Infrared Light                             |                                            |
|                                     | Fill range                        | 18 m                                       |                                            |
|                                     | Day/Night switch                  | Color/Black & White                        |                                            |
| Interface                           | Power switch                      | Power Up Enrolling                         |                                            |
|                                     | LED Indicator                     | Blue (Alarm)                               |                                            |

# DS-PDPC18-HM-WE&WB&WEUHK&WBUHK Wireless Double PIR Camera Detector User Manual

---

| <b>Model</b><br><b>WE: 868 MHz</b><br><b>WB: 433 MHz</b> |                                 | <b>DS-PDPC18-HM-WE/<br/>DS-PDPC18-HM-<br/>WEUHK</b>                                                             | <b>DS-PDPC18-HM-WB/<br/>DS-PDPC18-HM-<br/>WBUHK</b> |
|----------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Transmission                                             | Transmission technology         | CAM-X Wireless                                                                                                  |                                                     |
|                                                          | Transmission method             | Two-Way RF Wireless                                                                                             |                                                     |
|                                                          | Transmission frequency          | 868 MHz                                                                                                         | 433 MHz                                             |
|                                                          | Transmission security           | AES-128 Encryption                                                                                              |                                                     |
|                                                          | Transmission range (free space) | 800 m                                                                                                           |                                                     |
|                                                          | Enrolling method                | Power up, Remote ID, QR Code                                                                                    |                                                     |
| Electrical characteristics                               | Standard battery life           | Up to 3 years at normal temperature (The battery working time can be significantly reduced at low temperatures) |                                                     |
|                                                          | Power supply                    | Battery powered                                                                                                 |                                                     |
|                                                          | Battery type                    | CR123A × 4                                                                                                      |                                                     |
|                                                          | Typical voltage                 | 3 V                                                                                                             |                                                     |
| General                                                  | Operation temperature           | -25 °C to 60 °C (-13 °F to 140 °F)                                                                              |                                                     |
|                                                          | Storage temperature             | -25 °C to 60 °C (-13 °F to 140 °F)                                                                              |                                                     |
|                                                          | Operation humidity              | 10% to 90%                                                                                                      |                                                     |
|                                                          | Dimension (W × H × D)           | 68 mm × 193 mm × 65 mm                                                                                          |                                                     |
|                                                          | Weight                          | 500 g                                                                                                           |                                                     |
|                                                          | Mounting height                 | 2.5 to 3 m high mount<br>0.8 to 1.2 m low mount                                                                 |                                                     |
|                                                          | Mounting method                 | Wall                                                                                                            |                                                     |
|                                                          | Application scenario            | Outdoor                                                                                                         |                                                     |
|                                                          | Bracket                         | Adjustment bracket included                                                                                     |                                                     |



See Far, Go Further