



Zhejiang Dahua Vision Technology Floodlight Network Camera User Guide

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ZHEJIANG

Zhejiang Dahua Vision Technology Floodlight Network Camera



Foreword

General

This manual introduces the installation and operations of network camera. Read carefully before using the device, and keep the manual safe for future reference.

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable result.
NOTE	Provides additional information as a supplement to the text.

Revision History

Version	Revision Content	Release Time
V1.0.0	First release.	August 2022

Privacy Protection Notice

As the device user or data controller, you might collect the personal data of others such as their face, fingerprints, and license plate number. You need to be in compliance with your local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures which include but are not limited: Providing clear and visible identification to inform people of the existence of the surveillance area and provide required contact information.

Disclaimer

This guide is for informational purpose only. Working with electricity can be dangerous unless proper safety precautions are taken. If you are not comfortable or are inexperienced with the processes and tools described in this manual, we recommend that you hire a licensed electrician.

About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.
- We are not liable for losses incurred due to operating of the product in ways that are not in compliance with the manual.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper User Manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.
- All the designs and software are subject to change without prior written notice. Product updates might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.
- There might be deviations in the description of the technical data, functions and operations, or errors in the print. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Important Safeguards and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, comply with the guidelines when using it.

Transportation Requirements


- Transport the device under allowed humidity and temperature conditions.
- Pack the device with packaging provided by its manufacturer or packaging of the same quality before transporting it.
- Do not place heavy stress on the device, violently vibrate or immerse it in liquid during transportation.

Storage Requirements

- Store the device under allowed humidity and temperature conditions.
- Do not place the device in a humid, dusty, extremely hot or cold site that has strong electromagnetic radiation or unstable illumination.
- Do not place heavy stress on the device, violently vibrate or immerse it in liquid during storage.

Installation Requirements

WARNING

- Strictly comply with the local electrical safety codes and standards, and check whether the power supply is correct before operating the device.
- Please follow the electrical requirements to power the device.
 - When selecting the power adapter, the power supply must conform to the requirements of ES1 in IEC 62368-1 standard and be no higher than PS2. Please note that the power supply requirements are subject to the device label.
 - We recommend using the power adapter provided with the device.
- Do not connect the device to two or more kinds of power supplies, unless otherwise specified, to avoid damage to the device.
- The device must be installed in a location that only professionals can access, to avoid the risk of non-professionals becoming injured from accessing the area while the device is working. Professionals must have full knowledge of the safeguards and warnings of using the device.
- Do not place heavy stress on the device, violently vibrate or immerse it in liquid during installation.
- An emergency disconnect device must be installed during installation and wiring at a readily accessible location for emergency power cut-off.
- We recommend you use the device with a lightning protection device for stronger protection against lightning. For outdoor scenarios, strictly comply with the lightning protection regulations.
- Ground the function earthing portion  of the device to improve its reliability (certain models are not equipped with earthing holes). The device is a class I electrical appliance. Make sure that the power supply of the device is connected to a power socket with protective earthing.
- The dome cover is an optical component. Do not directly touch or wipe the surface of the cover during installation.

Operation Requirements

WARNING

- The cover must not be opened while the device is powered on.
- Do not touch the heat dissipation component of the device to avoid the risk of getting burnt.
- Use the device under allowed humidity and temperature conditions.
- Do not aim the device at strong light sources (such as lamplight, and sunlight) when focusing it, to avoid reducing the lifespan of the CMOS sensor, and causing overbrightness and flickering.
- When using a laser beam device, avoid exposing the device surface to laser beam radiation.
- Prevent liquid from flowing into the device to avoid damage to its internal components.
- Protect indoor devices from rain and dampness to avoid electric shocks and fires breaking out.
- Do not block the ventilation opening near the device to avoid heat accumulation.
- Protect the line cord and wires from being walked on or squeezed particularly at plugs, power sockets, and the point where they exit from the device.
- Do not directly touch the photosensitive CMOS. Use an air blower to clean the dust or dirt on the lens.
- The dome cover is an optical component. Do not directly touch or wipe the surface of the cover when using it.

- There might be a risk of electrostatic discharge on the dome cover. Power off the device when installing the cover after the camera finishes adjustment. Do not directly touch the cover and make sure the cover is not exposed to other equipment or human bodies
- Strengthen the protection of the network, device data and personal information. All necessary safety measures to ensure the network security of the device must be taken, such as using strong passwords, regularly changing your password, updating firmware to the latest version, and isolating computer networks. For the IPC firmware of some previous versions, the ONVIF password will not be automatically synchronized after the main password of the system has been changed. You need to update the firmware or change the password manually.

Maintenance Requirements

- Strictly follow the instructions to disassemble the device. Non-professionals dismantling the device can result in it leaking water or producing poor quality images. For a device that is required to be disassembled before use, make sure the seal ring is flat and in the seal groove when putting the cover back on. When you find condensed water forming on the lens or the desiccant becomes green after you disassembled the device, contact after-sales service to replace the desiccant. Desiccants might not be provided depending on the actual model.
- Use the accessories suggested by the manufacturer. Installation and maintenance must be performed by qualified professionals.
- Do not directly touch the photosensitive CMOS. Use an air blower to clean the dust or dirt on the lens. When it is necessary to clean the device, slightly wet a soft cloth with alcohol, and gently wipe away the dirt.
- Clean the device body with a soft dry cloth. If there are any stubborn stains, clean them away with a soft cloth dipped in a neutral detergent, and then wipe the surface dry. Do not use volatile solvents such as ethyl alcohol, benzene, diluent, or abrasive detergents on the device to avoid damaging the coating and degrading the performance of the device.
- The dome cover is an optical component. When it is contaminated with dust, grease, or fingerprints, use degreasing cotton moistened with a little ether or a clean soft cloth dipped in water to gently wipe it clean. An air gun is useful for blowing dust away.
- It is normal for a camera made of stainless steel to develop rust on its surface after being used in a strong corrosive environment (such as the seaside, and chemical plants). Use an abrasive soft cloth moistened with a little acid solution (vinegar is recommended) to gently wipe it away. Afterwards, wipe it dry.

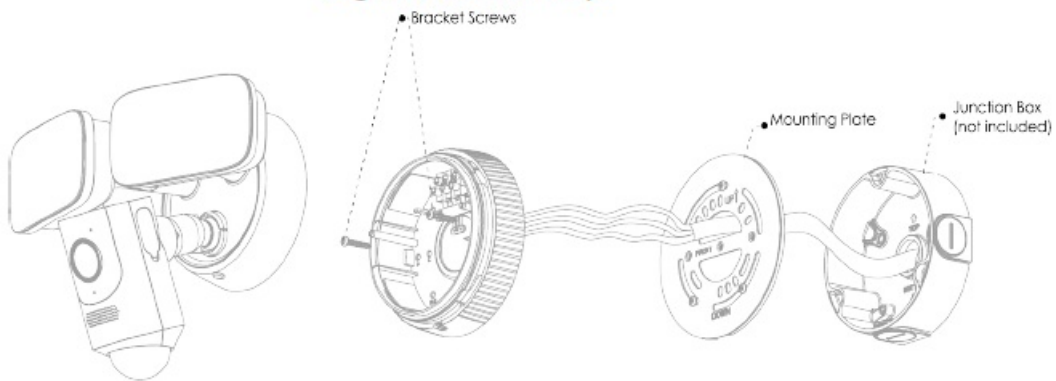
Package List

Figure 1-1 Packing list



Assembly

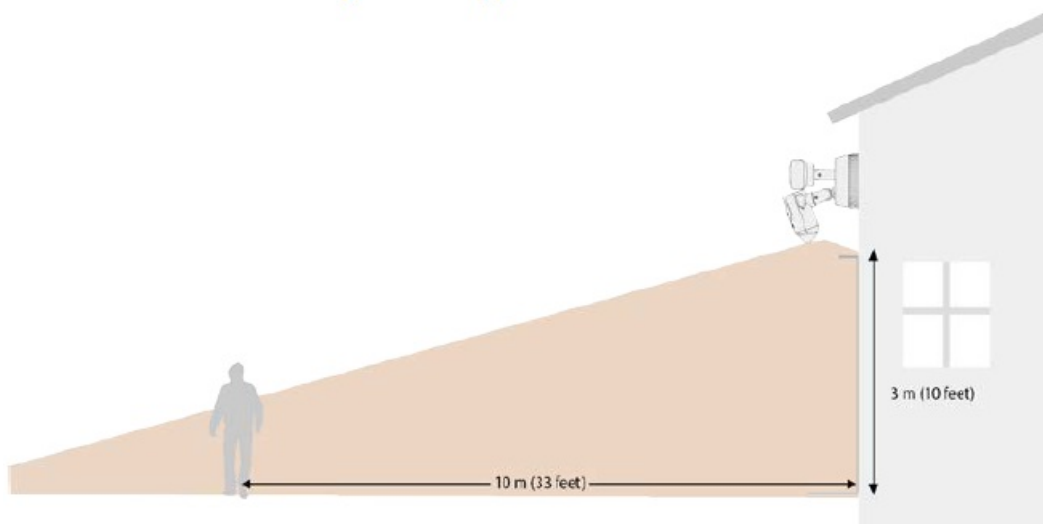
Figure 2-1 Assembly



Application

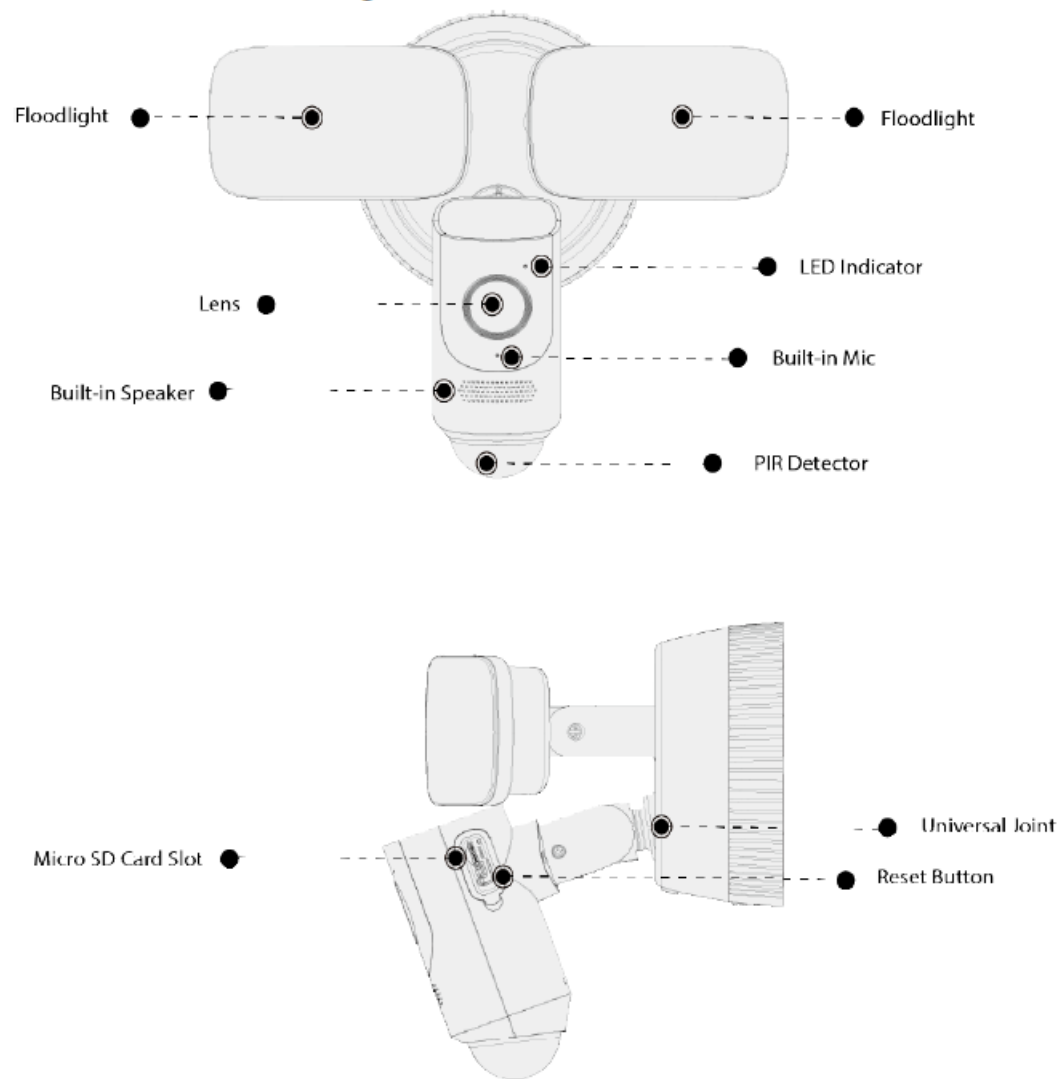
When mounted at 3 m (10 feet) off the ground, with the PIR lens parallel to the ground, the motion detector is optimized to detect human-sized objects up to 10 m (33 feet).

Figure 3-1 Application



Overview

Figure 4-1 Overview



Press and hold the reset button for 10 s to reset the camera.

Table 4-1 Indicator light pattern

LED Indicator Status	Device Status
Off	Powered off/LED turned off
Red light on	Booting
Green light flashing slowly	Enabling device hotspot
Green light flashing fastly	Connecting to Wi-Fi
Green light on	Operating properly
Red light flashing	Network connection failed
Green and red light flashing alternately	Firmware updating

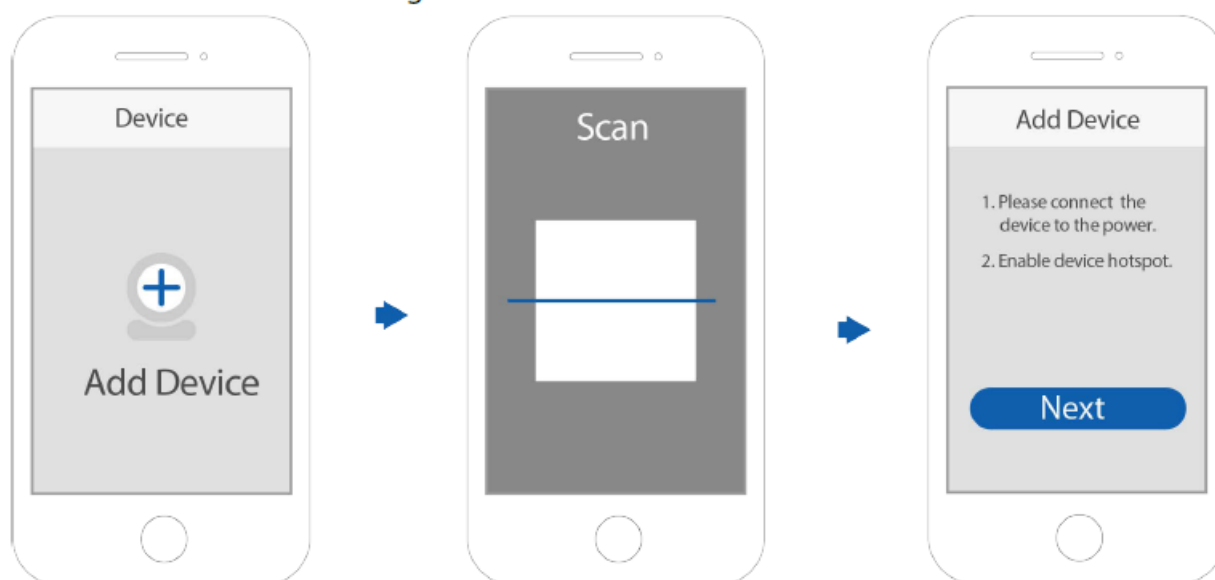
Operating with DMSS APP

To ensure the best possible wireless performance, make sure that there are no obstacles and electromagnetic interference between the device and the router.

Step 1 Add the device.

1. Tap + button on the upper-right corner of the DMSS home page to scan the QR code on the camera. If your DMSS fails to scan the QR code, tap Manually enter SN.
2. Make sure the indicator light on the device flashes green, and then tap Next.

Figure 5-1 Add the device



Step 2 Configure the device hotspot.

1. When the app pops up the notification: DMSS wants to join WLAN network “Camera-xxxxxxx”, tap Join. If the app shows unable to join the network “Camera-xxxxxxx”, tap Set, go to WLAN settings on your mobile phone, and then connect hotspot named Camera-xxxxxxx.
2. Create the password for the device, and then tap Next.

Figure 5-2 Connect the device hotspot



Step 3 Configure the Wi-Fi.

Select your Wi-Fi network from SSID list and then enter the password.

Step 4 Configure the device information.

1. Create the device name, and then tap Save.
2. Set the time zone, and then tap Done.

Figure 5-3 Configure the Wi-Fi



Installation

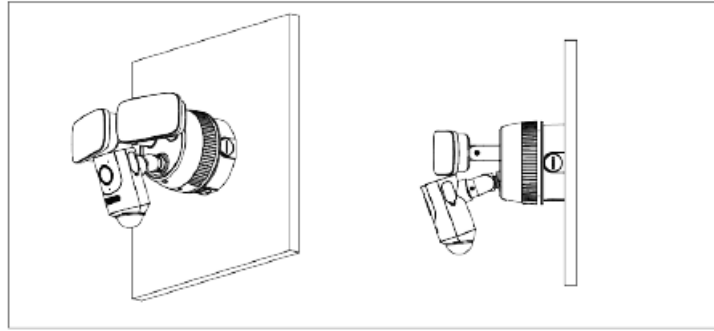
DANGER

- Risk of electrical shock.
 - Be sure to disconnect the power at the fuse or circuit breaker before installation.
 - Verify that the supply voltage is correct. Connect the fixture to a 100-240 VAC 50/60 Hz power source.
 - Properly ground fixture.
 - Always follow code standards when installing wired connection.
 - We strongly suggest that you hire a licensed electrician to install the camera.
- Risk of fire.

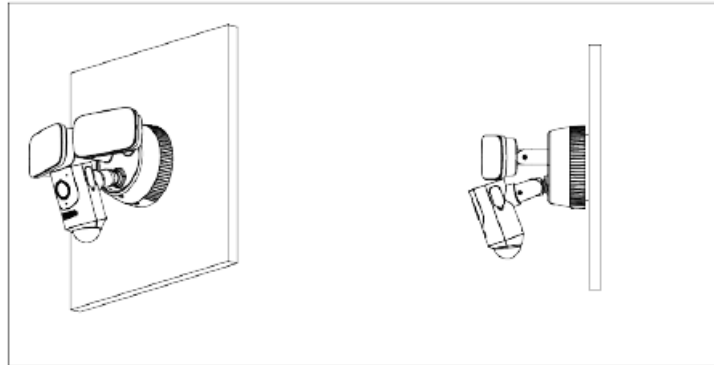
Do not install the camera near combustible or flammable surfaces.
- Do not connect this light fixture to a dimmer switch or timer.
- Make sure the mounting surface is strong enough to hold at least three times the weight of the camera.

Installation Methods

Figure 6-1 Installation methods



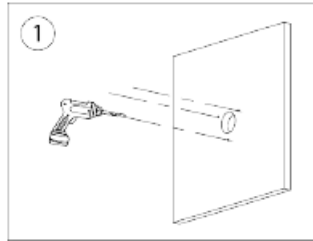
Installation with Junction Box



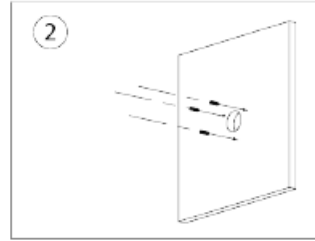
Installation without Junction Box

Attaching the Camera

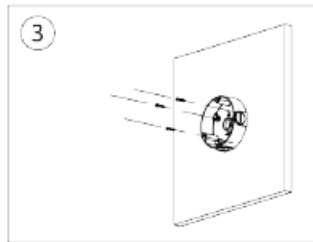
Figure 6-2 Attaching the camera



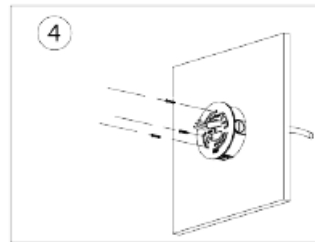
Drill the Hole



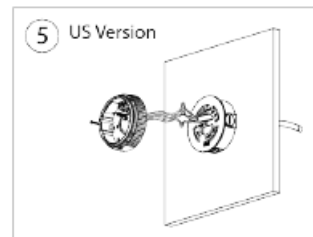
Install the Expansion Bolts



Lock the Junction Box

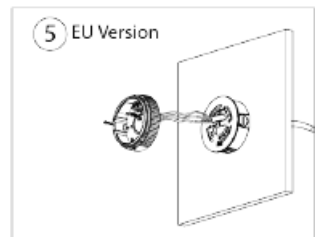


Lock the Mounting Plate

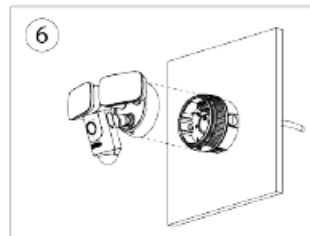


Connect wires

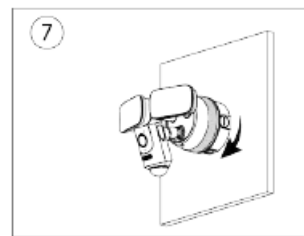
OR



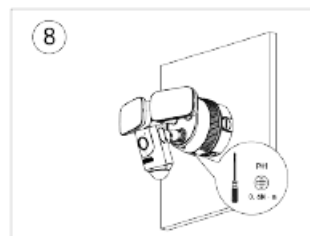
Connect wires



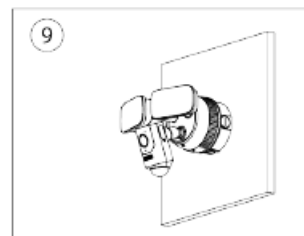
Install the Camera



Lock the base



Tighten the screws

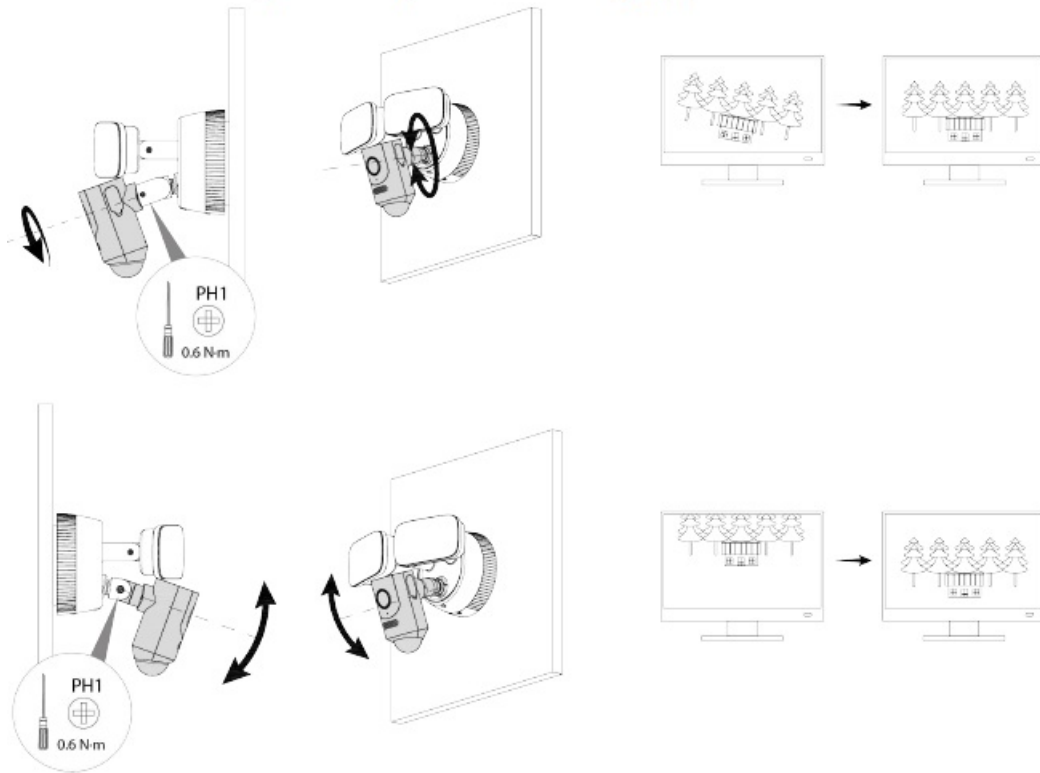


Finish

Adjusting the Lens Angle

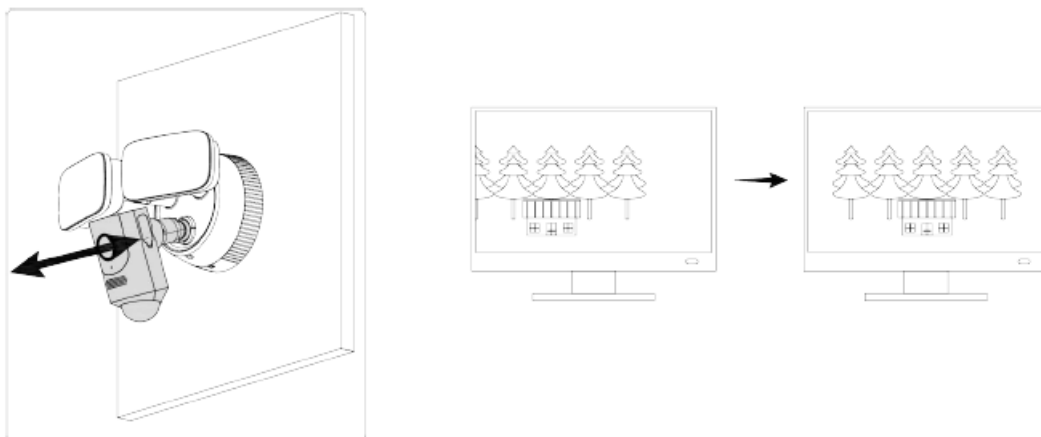
- Adjust the lens angle by loosening the screws and rotating the universal joint.

Figure 6-3 Adjust the lens angle (1)



- Adjust the lens angle by rotating the universal joint only.

Figure 6-4 Adjust the lens angle (2)



Legal and Regulatory Information

Legal Considerations

This product can be regulated by laws that vary from country to country. Check the laws in your local region before using it.

Disclaimer

Every care has been taken in the preparation of this document. Please contact us through the following contact information of any inaccuracies or omissions. Prosegur shall not be held responsible for any technical or typographical errors and reserves the right to make changes to the product and manuals without prior notice. Prosegur makes no warranty of any kind with regard to the material contained within this document, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Prosegur shall not be liable or responsible for incidental or consequential damages in connection with the furnishing, performance or use of this material. This product is only to be used for its intended purpose.

Intellectual Property Rights

Prosecur retains all intellectual property rights relating to technology embodied in the product described in this document.

Equipment Modifications

This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no user-serviceable components. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

Regulatory Information

European Directives Compliance

This product complies with the applicable CE marking directives and standards:

- Low Voltage (LVD) Directive 2014/35/EU.
- Electromagnetic Compatibility (EMC) Directive 2014/30/EU.
- Restrictions of Hazardous Substances (RoHS) Directive 2011/65/EU and its amending Directive (EU) 2015/863.

CE-Electromagnetic Compatibility (EMC)

This digital equipment is compliant with Class B according to EN 55032.

CE-Safety

This product complies with IEC/EN/UL 62368-1, Audio/video, information and communication technology equipment – Part 1: Safety requirements and IEC/UL 60950-1: Safety of Information Technology Equipment.

Declaration of Conformity CE

(Only for the product has RF function)

Hereby, Prosecur declares that the radio equipment is compliant with Radio Equipment Directive (RED) 2014/53/EU.

Privacy Protection Notice

As the device user or possible data controller, you might collect personal data of others such as face, fingerprints, car plate number, Email address, phone number, GPS and so on. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures, including but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area and providing related contact.

About the Manual

- The manual is for reference only. If there is inconsistency between the manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the manual.
- The manual would be updated according to the latest laws and regulations of related jurisdictions. For detailed information, refer to the paper manual, CD-ROM, QR code or our official website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, we reserve the right of final explanation.

- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurring when using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Support

Should you require any technical assistance, please contact your Prosegur distributor. If your questions cannot be answered immediately, your distributor will forward your queries through the appropriate channels to ensure a rapid response. If you are connected to the Internet, you can:

- Download user documentation and software updates.
- Search by product, category, or phrase.

Important Safeguards and Warnings

This Chapter describes the contents covering proper handling of the device, hazard prevention, and prevention of property damage. Read these contents carefully before using the device, comply with them when using, and keep it well for future reference.

Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.

Signal Words	Meaning					
DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.					
WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.					
CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.					
TIPS	Provides methods to help you solve a problem or save you time.					
NOTE	Provides additional supplement to the text.	information	as	the	emphasis	and

Safety Requirement

- Abide by local electrical safety standards to ensure that the voltage is stable and complies with the power

supply requirement of the device.

- Transport, use, and store the device under the allowed humidity and temperature conditions. Refer to the corresponding technical specifications of device for specific working temperature and humidity.
- Do not place the device in a location exposed to dampness, dust, extreme hot or cold, strong electronic radiation, or unstable lighting condtions.
- Do not install the device in a place near the heat source, such as radiator, heater, furnace, or other heat generating device to avoid fire.
- Prevent liquid from flowing into the device to avoid damge to internal components.
- Install the device horizontally or install on the stable place to pre vent it from falling.
- Install the device in a well-ventilated place, and do not block the ventilation of the device.
- Do not disassemble the device arbitrarily.
- Avoid heavy stress, violent vibration, and soaking during during transportation, storage, and installation. Complete package is necessary during the transportation.
- Use the factory package or the equivalent for transportation.


Battery

Low battery power affects the operation of the RTC, causing it to reset at every power-up. When the battery needs replacing, a log message will appear in the product's server report. For more information about the server report, see the product's setup pages or contact Prosegur support.

WARNING

- Risk of explosion if the battery is incorrectly replaced.
- Replace only with an identical battery or a battery which is recommended by Imou.
- Dispose of used batteries according to local regulations or the battery manufacturer's instructions.

Documents / Resources

	Zhejiang Dahua Vision Technology Floodlight Network Camera [pdf] User Guide DH-IPC-WL46A, DHIPCWL46A, SVNDH-IPC-WL46A, SVNDHIPCWL46A, Floodlight Network Camera, Network Camera, Camera
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References

- [@ Notices - Dahua Technology USA Inc](#)