



dahua IPC-C46EIN 4MP Spotlight WiFi Camera User Guide

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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.	October 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.

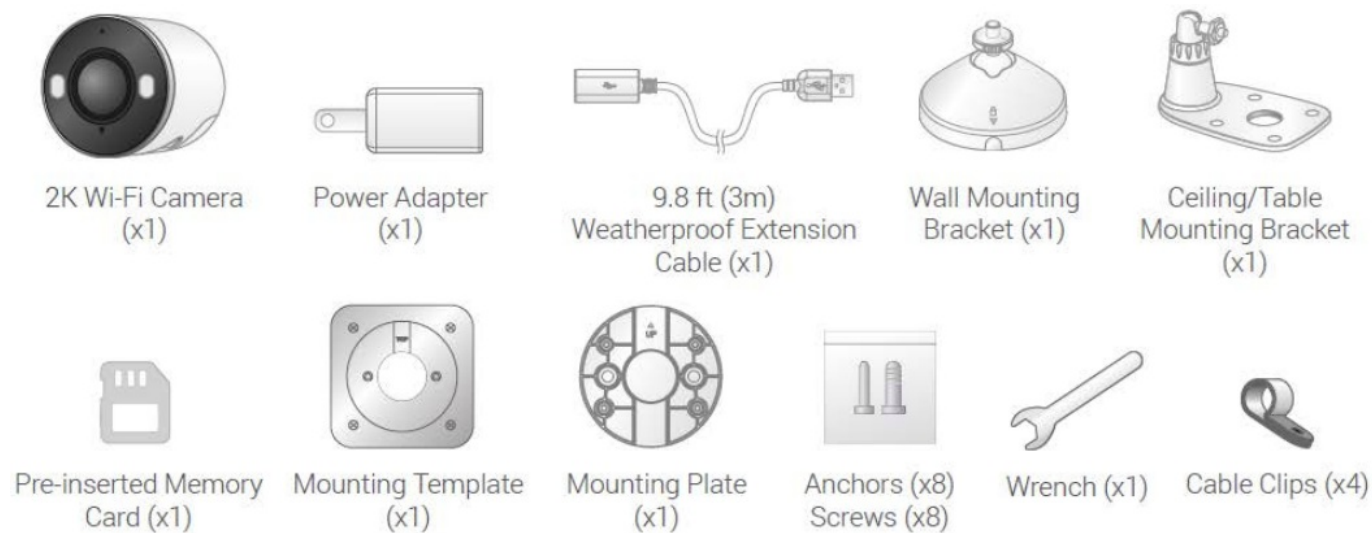


Maintenance Requirements

- 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

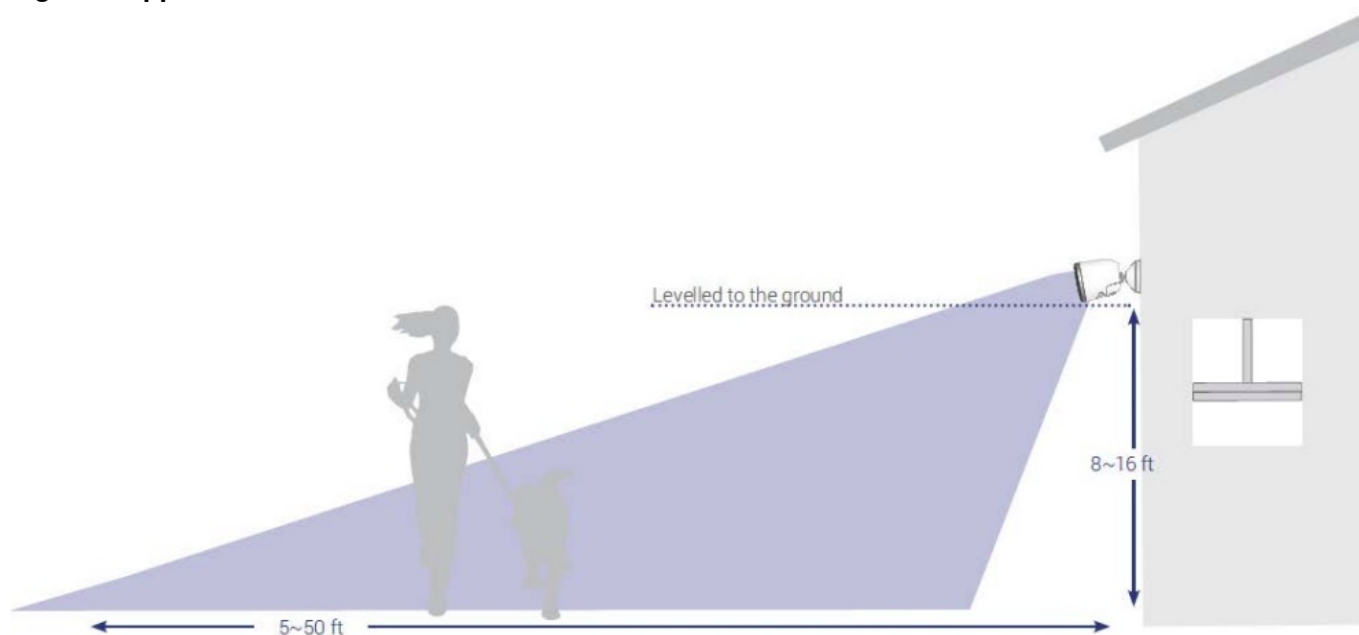
Figure 1 Packing list



Application

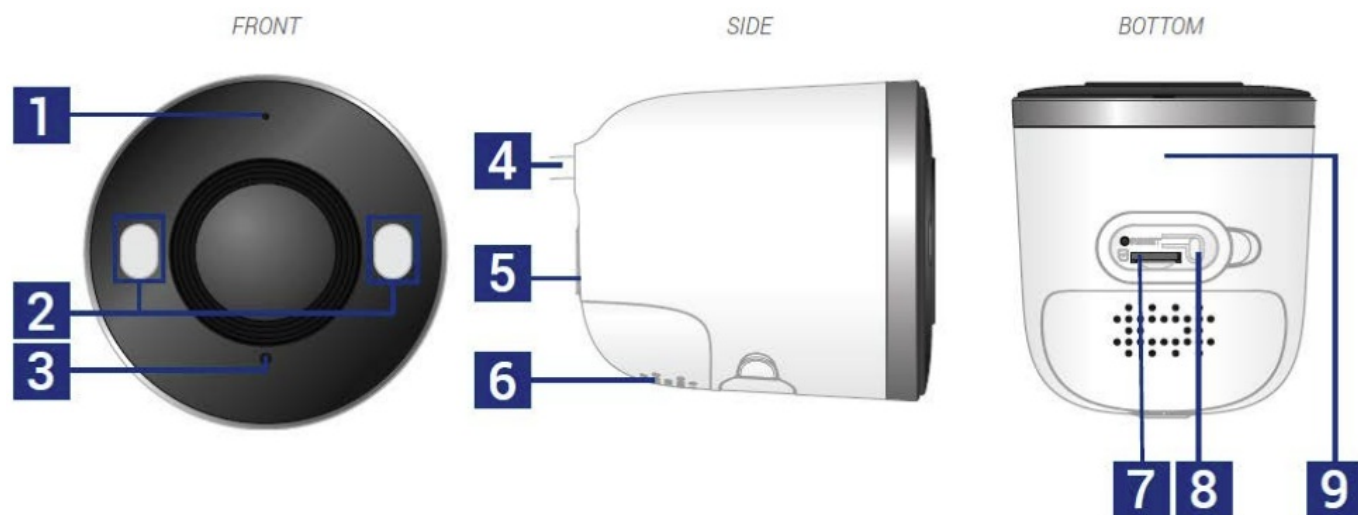
- **Distance:** Optimal accuracy for objects within 5 ft to 50 ft (1.5 m to 15 m).
- **Angle:** Angle the camera around 30°-60° down from the level position.
- **Height:** Install the camera between 8 ft to 16 ft (2.5 m to 5 m) off of the ground.

Figure 2 Application



Overview

Figure 3 Overview



1. Microphone
2. Warning light
3. Status indicator
4. 9.2ft (2.8m) USB power cord
5. Threaded insert (for mounting) (card included)
6. Speaker
7. MicroSD slot
8. Pairing / reset button
9. QR code



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

Table 3 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

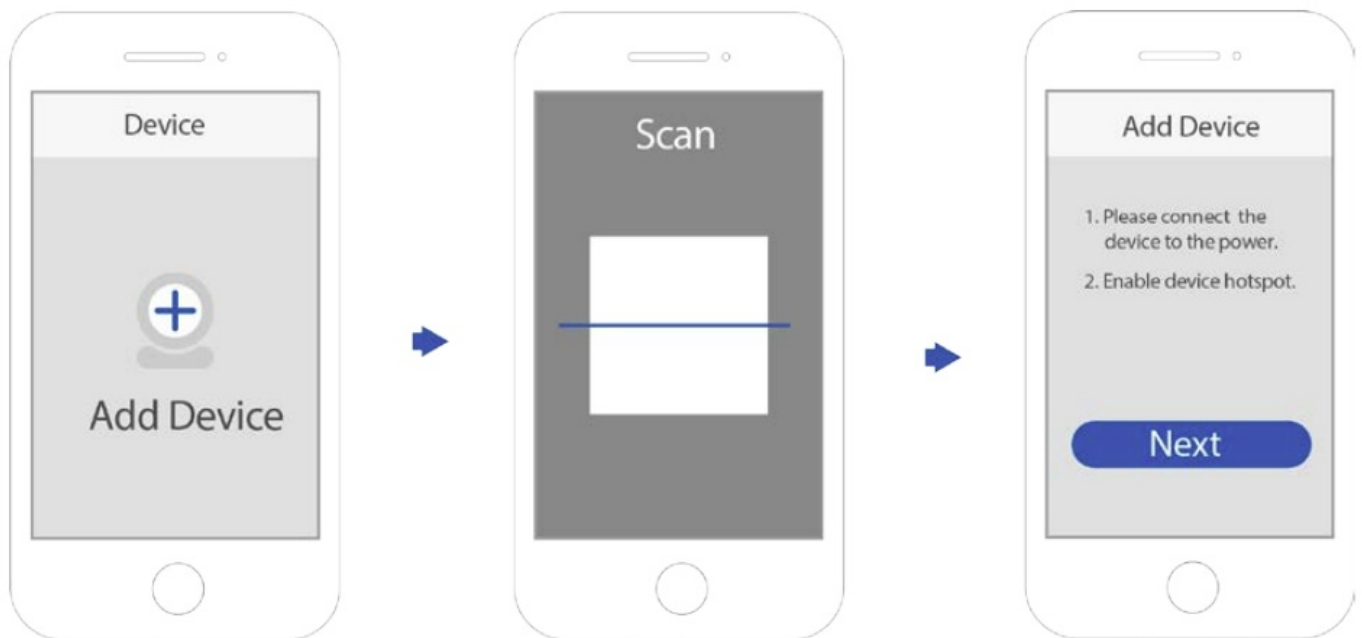
Operating with DMSS APP

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 4 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 4 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 4 Configure the Wi-Fi



Installation



Danger

- **Risk of electrical shock.**
 - Always follow code standards when installing wired connection.
 - We strongly suggest that you hire a licensed electrician to install the camera.
- **Risk of fire.**

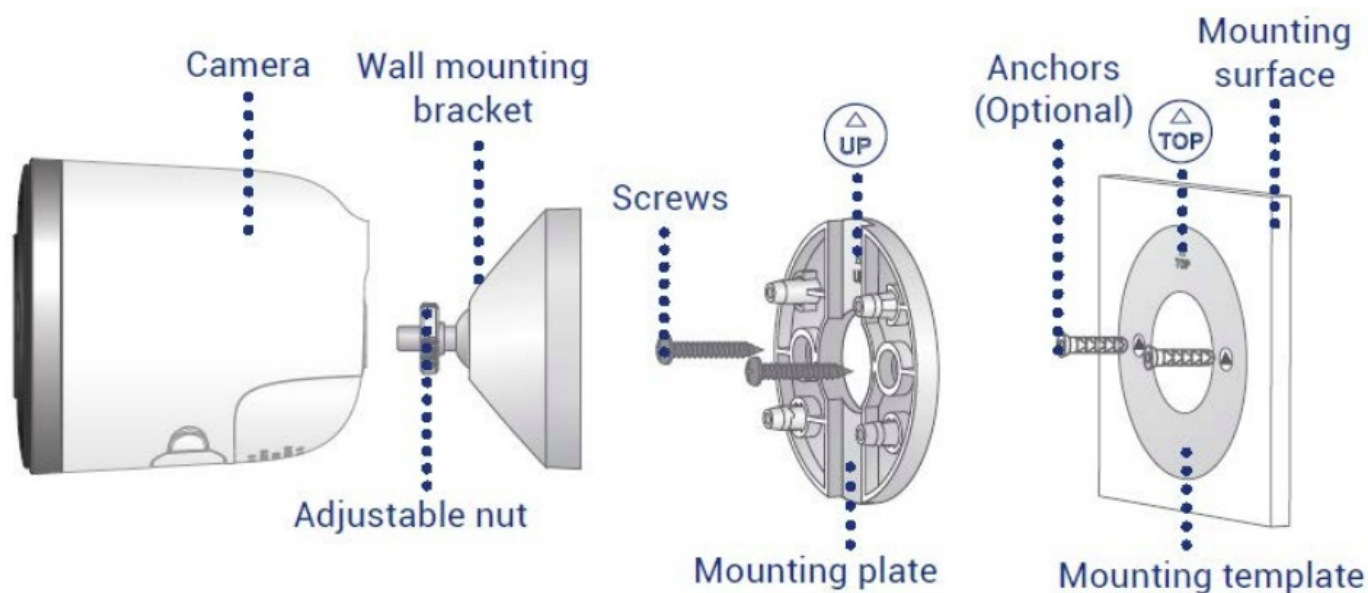
Do not install the camera near combustible or flammable surfaces.



Make sure the mounting surface is strong enough to hold at least three times the weight of the camera.

Wall Mounting

Figure 5 Wall mounting diagram



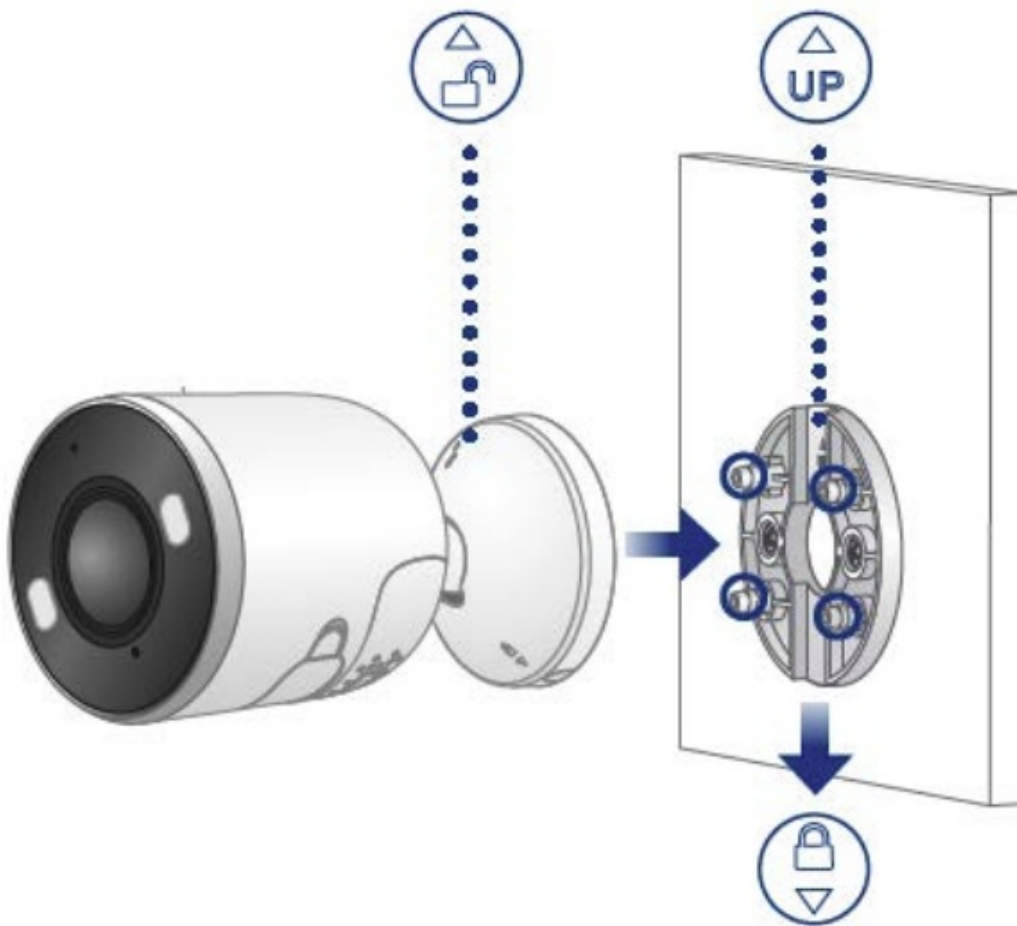
1. Place the mounting template onto the desired location.



Ensure an outlet is nearby, and keep in mind the cable lengths.

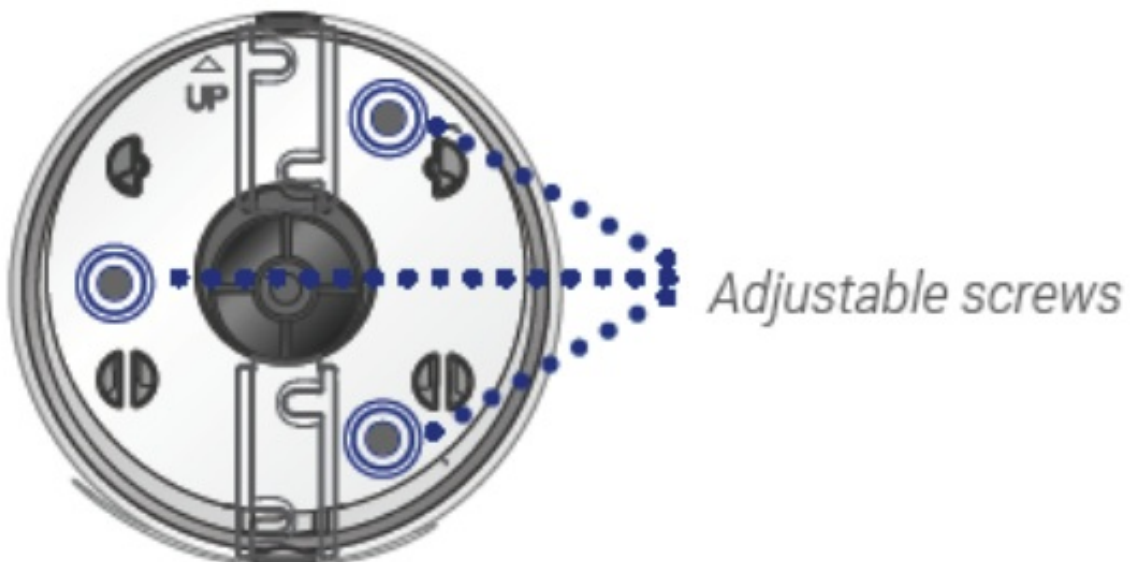
2. Using a 15/64" (6 mm) drill bit, drill 2 holes over the triangle symbols on the template.
3. (Optional) Drill 15/64" (6 mm) holes for the anchors.
4. Align the arrows of the mounting plate and template. Using a screwdriver and the provided screws, secure the mounting plate to the surface.
5. Align the arrows between the wall mounting bracket and plate.
6. Push the bracket in to install, then slide down to lock in place. You will hear a 'click' when the bracket is installed.

Figure 5 Install the bracket



7. Attach the camera to the mounting bracket using the threaded insert at the rear of the camera. Rotate the camera clockwise until attached, then tighten into place with the adjustable nut.

Figure 5 The back of wall mounting bracket



Back - Wall mounting bracket

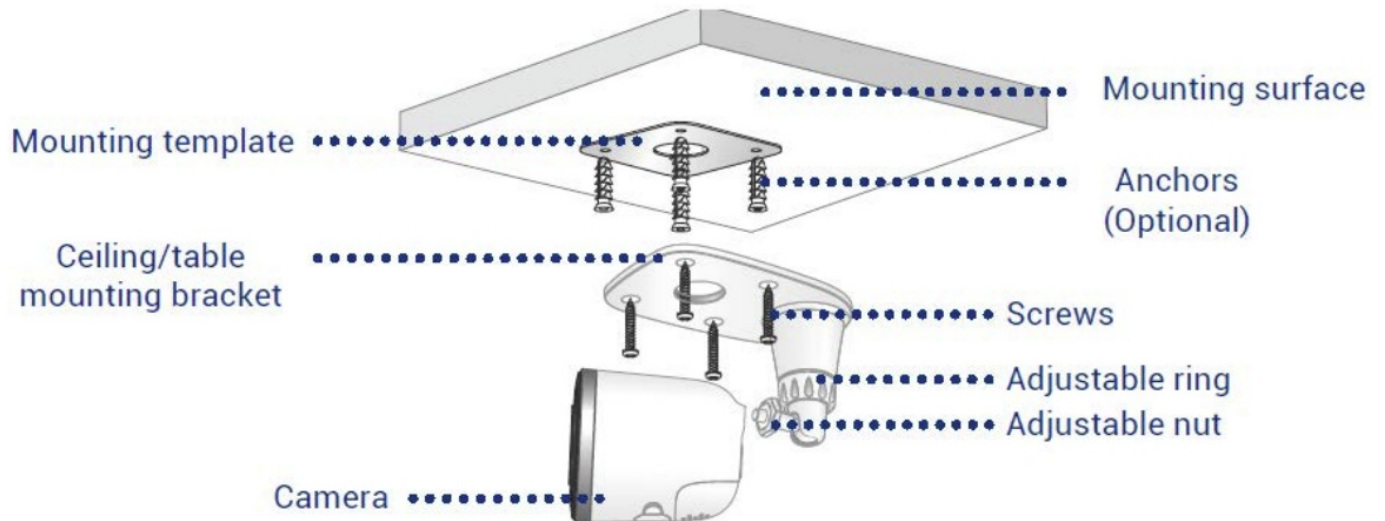
8. Adjust the camera to the desired angle.



If the camera is not holding in place or difficult to adjust, unplug the camera and slide the bracket up to detach from the mounting plate. Tighten or loosen the 3 screws at the back of the mounting bracket to adjust accordingly. Repeat steps 4-6 to re-install.

Ceiling Mounting

Figure 5 Ceiling mounting diagram



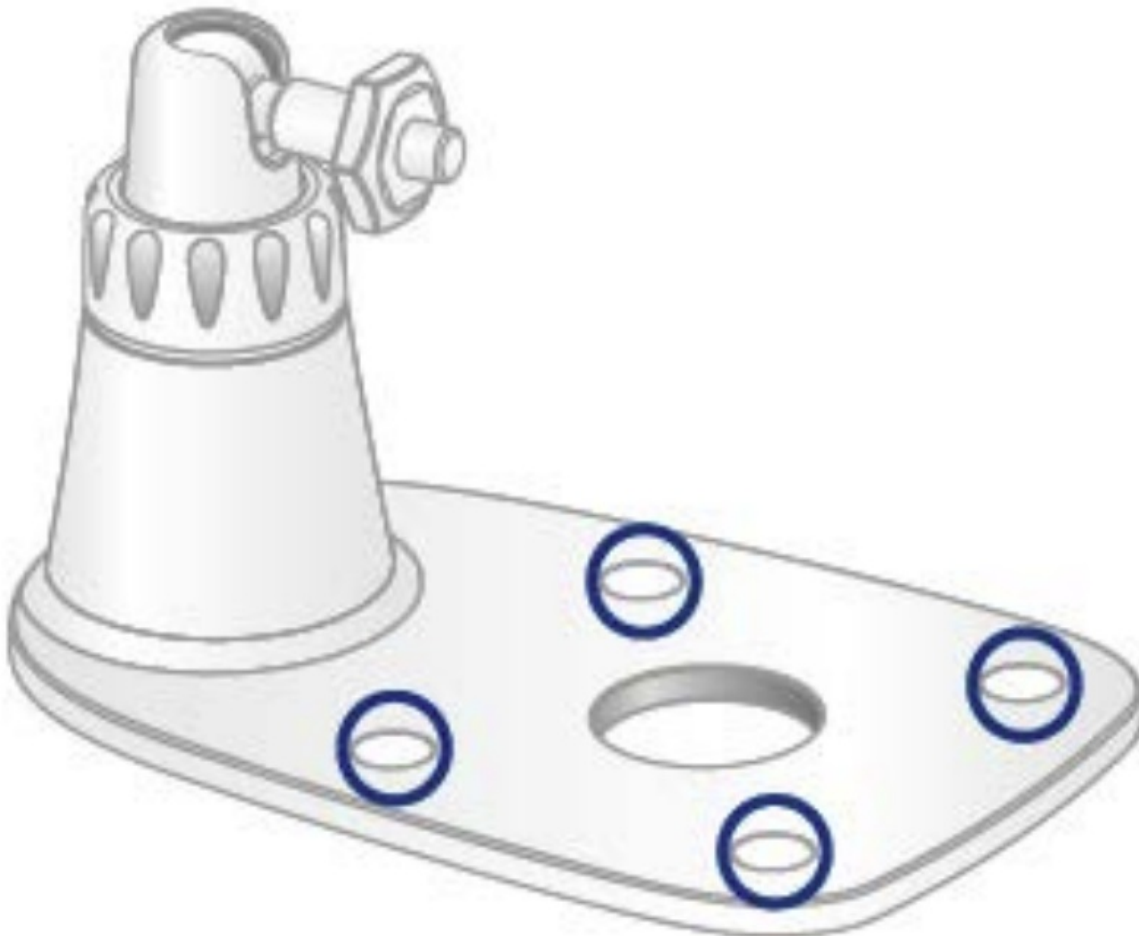
1. Place the mounting template onto the desired location.



Ensure an outlet is nearby, and keep in mind the cable lengths.

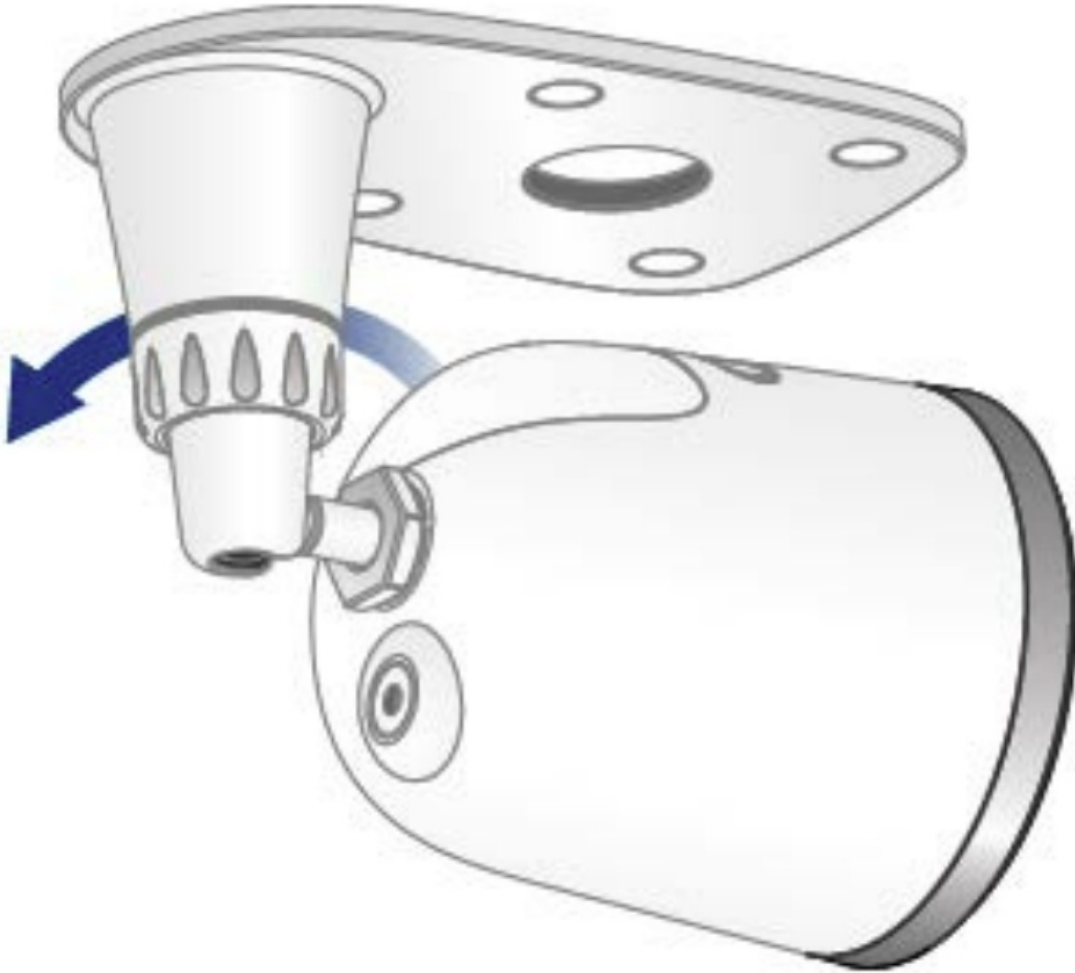
2. Using a 15/64" (6 mm) drill bit, drill 4 holes over the X symbols on the template.
3. (Optional) Drill 15/64" (6 mm) holes for the anchors.
4. Remove the 4 pre-inserted plugs from the ceiling/table mounting bracket.

Figure 5 Remove the plugs



5. Attach the camera to the ceiling/table mounting bracket using the threaded insert at the rear of the camera.
6. Rotate the camera clockwise until attached, then use the wrench to tighten the adjustable nut in place.

Figure 5 Rotate the camera



7. Place the bracket over the drilled holes. Using a screwdriver and the provided screws, secure the bracket to the surface.
8. Rotate the adjustable ring counter-clockwise to loosen and adjust the camera to the desired position, then tighten to secure.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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 & your body.


The user manual for local area network devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:

- The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Support

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Documents / Resources

	<p>dahua IPC-C46EIN 4MP Spotlight WiFi Camera [pdf] User Guide</p> <p>IPC-C46EIN, IPCC46EIN, SVNIPC-C46EIN, SVNIPCC46EIN, IPC-C46EIN 4MP Spotlight WiFi Camera, 4MP Spotlight WiFi Camera, Spotlight WiFi Camera, WiFi Camera, Camera</p>
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