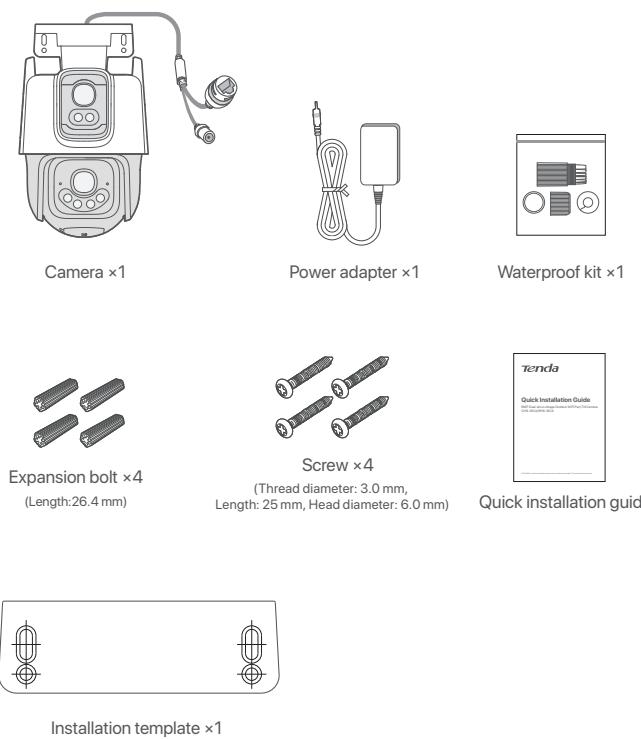


## Quick Installation Guide

6MP Dual-lens Linkage Outdoor WiFi Pan/Tilt Camera

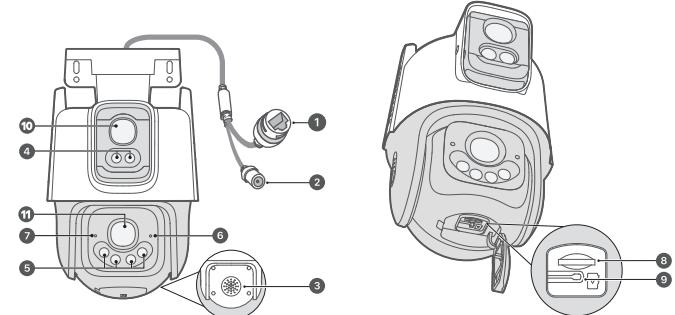
CH9-WCA/RH9-WCA

## Package Contents



CH9-WCA is used for illustrations here unless otherwise specified. The actual product prevails.

## Appearance



①	10/100 Mbps auto-negotiation Ethernet port. Used for connecting such devices as the router and switch.
②	<b>Power jack.</b> Used to connect to the included power adapter.
③	<b>Speaker</b>
④ ⑤	<b>Fill Light</b>
⑥	<b>LED indicator</b> <b>Solid red:</b> Initializing and starting. <b>Blinking red slowly:</b> Disconnected from the network. <b>Blinking red quickly:</b> Connecting to the network. <b>Solid blue:</b> Connected to the network. <b>Blinking blue slowly:</b> Upgrading. <b>Blinking blue quickly:</b> Waiting to connect to the network.
⑦	<b>Microphone</b>
⑧	<b>Micro SD card slot (Behind the cover)</b> Insert the Micro SD card to store the monitoring videos.
⑨	<b>Reset button (Behind the cover)</b> <b>Reset method:</b> Refer to <b>Q1</b> in the <b>FAQ</b> .
⑩	<b>Fixed lens</b>
⑪	<b>PT lens</b>

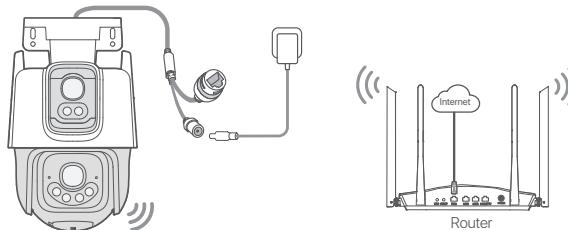
## Add the Camera to TDSEE App



Before adding your camera, ensure that the router is connected to the internet successfully and the filter function is disabled.

### 1. Power on the camera.

Place the camera near the Wi-Fi router and power it on, the LED indicator will light solid red. When the LED indicator blinks blue quickly, the camera is waiting to connect to a 2.4 GHz Wi-Fi network.



### 2. Download the TDSEE App onto your mobile device by scanning the QR code or searching for TDSEE in the Google Play or App Store. (If already installed, please update to the latest version.)



Or



### 3. Run the TDSEE App and follow the instructions to complete user registration. On the Home page, tap **Add a device** or in the upper-right corner of the page.

### 4. Scan the QR code on the label of the camera (It is recommended to take a photo and save the QR code for future use), and then follow the instructions on the App.

After the settings are completed, you can see that the added camera is online on the Home page of the TDSEE App, and the camera has been managed by the TDSEE App.

## Install the Camera

The camera supports wall, ceiling and pole mounting.

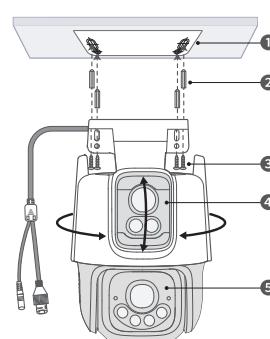


- Make sure the ceiling is strong enough to withstand three times the weight of the camera.  
- You may need a hammer drill, a drill bit (Diameter: 6 mm), a screwdriver, and a ladder for the installation.  
- You are recommended to drill a hole of 28 mm to 32 mm using a drill bit.  
- After installation is completed, it is recommended to remove the lens protector to avoid any impact on image quality.

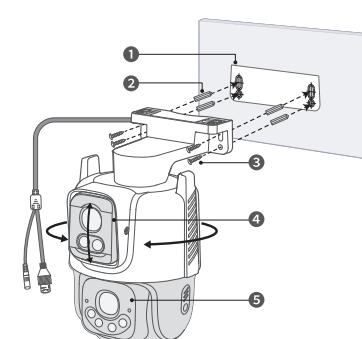
### Ceiling/Wall Mounting

- 1 Place the installation template at the ceiling or wall.
- 2 Drill screw holes and insert expansion bolts into them.
- 3 Fix the camera using the screws.
- 4 Manually adjust the monitoring angle of the fixed lens.  
The whole camera can be adjusted horizontally from 0 to 260° and vertically from 0 to 35°.
- 5 Adjust the monitoring angle of the PT lens using the PT control.  
In the TDSEE App, the PT control (  ) allows the PT lens to be adjusted horizontally from 0 to 355° and vertically from 0 to 90°.

#### Ceiling mounting



#### Wall mounting



## Pole Mounting

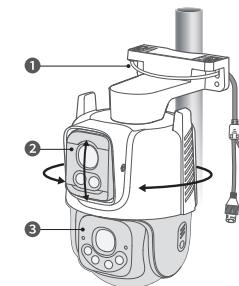
① Use the strap (self-prepared) to secure the camera to the mounting pole.

② Manually adjust the monitoring angle of the fixed lens.

The whole camera can be adjusted horizontally from 0 to 260° and vertically from 0 to 35°.

③ Electrically adjust the monitoring angle of the PT lens.

In the TDSEE App, the PT control (  ) allows the PT lens to be adjusted horizontally from 0 to 355° and vertically from 0 to 90°.



## Install the Waterproof Kit

Install the waterproof kit for the Ethernet port if the camera is installed outdoors.



The included waterproof kit is not suitable for the Ethernet cable with protection cover on the crystal head. See the example on the right.

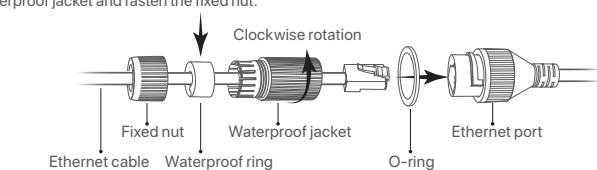


When the Ethernet port of the camera is connected to an Ethernet cable, the installation steps of the waterproof kit are as follows. If not, you are also recommended to install the kit and wrap the end with waterproof tape.

1. Put the O-ring on the Ethernet port of the camera.

2. Pass the Ethernet cable through the fixed nut, the waterproof ring and the waterproof jacket in sequence.

3. Rotate to fix the waterproof jacket to the Ethernet port of the camera, insert the waterproof ring into the waterproof jacket and fasten the fixed nut.



## Power On the Camera

Power on the camera after the camera is mounted. When the camera completes startup, it will automatically connect to the configured Wi-Fi network. When the LED indicator of the camera is solid blue, you can use the camera normally.

## Configure Dual-lens Smart Linkage Function

After the camera works properly, you can configure the dual-lens smart linkage function through TDSEE App or web UI (some models supported). (Please scan the QR code of **Get Support and Services** in this guide to obtain the related user guide.)



Please adjust the depression angle of the fixed lens to the desired position before configuring the dual-lens linkage function.

### For TDSEE App:

Run the TDSEE App, tap... on the right side of the camera in the **Home** page, and go to **Device Settings > Alarm > Calibration**, and then follow the on-screen instructions. After successful calibration, go back to the **Alarm** page, tap the detection event (**Motion Detection, Line Crossing Detection or Intrusion Detection**), and select the **Dual-lens Linkage Tracking**. The dual-lens smart linkage function can be used normally.

### For web UI:

1. Connect the computer to the router or switch that is connected to the camera using an Ethernet cable, or connect the computer to the router's Wi-Fi that is connected to the camera.
2. Set the IP address of the computer to be on the same network segment as the camera's IP address, but different from the camera's IP address.

The default login IP address of the camera is **192.168.1.203**, and the **DHCP** function is enabled. If there is a DHCP server on the network, the camera's IP address may change. Please refer to the actual IP address assigned to the camera by the DHCP server.

3. Start a browser and enter the camera's IP address of the camera in the address bar to access the login page. Enter the **Login User Name** (default: admin) and **Login Password** (default: admin123456), then click **Login**.

4. Navigate to **Configuration > Alarm > Dual-lens Smart Linkage** to configure the **Calibration** function.
5. After successful calibration, go back to the **Alarm** page, navigate to the detection event (**Motion Detection, Line Crossing Detection or Intrusion Detection**) > **Linkage Action**, then select the **Dual-lens Linkage Tracking**. The dual-lens smart linkage function can be used normally.



To ensure your privacy and security, please change your login password promptly after logging in to the web UI.



### CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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

**NOTE:** (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

### Declaration of Conformity

Hereby, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the device (camera) is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: <https://www.tendacn.com/download/list-9.html>

### Operating Frequency/Max Output Power

English: Operating Frequency/Max Output Power	2412MHz-2472MHz/20dBm
Italiano: Frequenza operativa/Potenza di uscita massima	
Français: Fréquence de fonctionnement/Puissance de sortie maximale	
Español: Frecuencia operativa/Potencia de salida máxima	
Deutsch: Betriebsfrequenz/Max. Ausgangsleistung	
Polski: Częstotliwość pracy / Maksymalna moc wyjściowa	
Nederlands: Bedrijfsfrequentie/Maximaal uitgangsvermogen	
Českina: Provozní frekvence/maximální výstupní výkon	
Română: Frecvența de funcționare/Puterea maximă de ieșire	
Português: Frequência de Funcionamento/Potência Máxima de Saída	
Svenska: Driftsfrekvens / Max Utteffekt	
Slovenčina: Prevádzková frekvencia/maximálny výstupný výkon	
Ελληνικά: Συχνότητα λειτουργίας/Μέγιστη Ισχύς Εξόδου	
Magyar: Működési frekvencia/Maximális kimeneti teljesítmény	
Български: Работна честота/максимална изходна мощност	
Eesti: Töösagedus/Max väljundvõimsus	
Dansk: Driftsfrekvens/Maks. Udgangseffekt	
Suomi: Toimintataajuus/maksimilähtöteho	
Hrvatski: Radna frekvencija/Maksimalna izlazna snaga	
Latviešu: Operējošās frekvences/Maksimālā jauda	
Lietuvių: Darbinis dažnis / maksimali išėjimo galia	
Slovenščina: Delovna frekvencia/Največja izhodna moč	
Türkçe: Çalışma Frekansı/Maks. Çıkış Gücü	
Русский: Рабочая частота/макс. выходная мощность	
عربى: تردد التشغيل / الحد الأقصى لطاقة الإخراج	

## FAQ

### Q1. What should I do if I failed to add the camera?

A1. Try the following solutions:

- Ensure that the router is connected to the internet successfully.
- The camera only supports 2.4 GHz Wi-Fi network. When adding the camera, you need to connect the smartphone to a 2.4 GHz Wi-Fi network.
- Do not hide the Wi-Fi network of the router when adding the camera. (After adding the camera successfully, you can hide the Wi-Fi network).
- Confirm whether the LED indicator of the camera blinks blue quickly. If not, reset the camera and configure it again.

**Reset method:** Hold the **Reset** button down for about 5 seconds and release it after the LED indicator blinks blue quickly or you hear a prompt tone. The camera is reset successfully.

### Q2. What should I do when the video preview is not smooth?

A2. Try the following solutions:

- Check if the Wi-Fi network of the router is smooth.
- Take the router closer to the camera.
- When previewing the video with cellular mobile data, make sure that the internet connection of the smartphone is smooth.
- **Fluent** and **HD** are supported for video preview. You can adjust the video clarity according to the internet status.

### Q3. What should I do if the dual-lens smart linkage or 3D positioning cannot accurately track the target?

A3. Try the following solutions:

- Tap the **Adjust Location** on the preview page of the corresponding camera in TDSEE APP.
- Ensure that the center of the PT lens and the fixed lens have been aligned at the same position before tapping **Start**. If not, please re-calibrate.

### Q4. How to store the videos?

A4. Try the following methods:

**Method 1:** Install the Micro SD card on the camera. The recording mode of the Micro SD card includes **Alarm Recording** and **All Day Recording**. By default, the recording mode is **Alarm Recording**. You can modify the recording mode according to the actual conditions.

**Method 2:** Subscribe to the **Cloud Storage Service** on TDSEE App.

**Procedure:** Run the TDSEE App, choose the camera on the homepage, and then tap **Cloud Storage** in the lower left corner. You can enjoy free cloud storage service (7-day loop detection recording) for 3 months upon the first activation.

**Method 3:** Connect the camera to the NVR. The camera supports the ONVIF protocol and can be added to the NVR either wired or wireless method for recording storage. The default user name and password of the camera are **admin** and **admin123456** respectively, and the password can be changed on the web UI. The specific configuration method of the NVR is subject to the manufacturer's instructions.

### Q5. How to view the videos stored in the Micro SD card of the camera on the computer?

A5. If you remove the Micro SD card installed in the camera and view the videos from your computer, it is recommended to use VLC media player or Potplayer to play the videos.

## Safety Precautions

Before operating, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all the safety precautions that must be followed. They are only supplementary information, and the installation and maintenance personnel need to understand the basic safety precautions to be taken.

- For ceiling/wall/pole mounting, the camera is suitable for mounting at heights >2m.
- The camera is used outdoors. The power adapter is used indoors.
- Do not use the device in a place where wireless devices are not allowed.
- Please use the included power adapter.
- Mains plug is used as the disconnect device, and shall remain readily operable.
- The power socket shall be installed near the device and easily accessible.
- Device operating environment: Temperature: -30°C ~ +60°C (-22°F ~ 140°F); Power adapter operating environment: Temperature: 0°C ~ 40°C (32°F ~ 104°F).
- Keep the device away from fire, high electric field, high magnetic field, and inflammable and explosive items.
- Unplug this device and disconnect all cables during lightning storms or when the device is unused for long periods.
- Do not use the power adapter if its plug or cord is damaged.
- If such phenomena as smoke, abnormal sound or smell appear when you use the device, immediately stop using it and disconnect its power supply, unplug all connected cables, and contact the after-sales service personnel.
- Disassembling or modifying the device or its accessories without authorization voids the warranty, and might cause safety hazards.
- Refer all servicing to qualified service personnel.
- Disconnect the power source during servicing.
- Keep this device out of reach of children to prevent children from using it as a toy and causing personal injury.
- The device's marking information can be found on its surface.

For latest safety precautions, see **Safety and Regulatory Information** on [www.tendacn.com](http://www.tendacn.com).

## Get Support and Services

For technical specifications, user guides, GNU General Public License Notice and more information, please visit the product page or service page on [www.tendacn.com](http://www.tendacn.com). Multiple languages are available. You can see the product name and model on the product label.



<https://www.tendacn.com/service/default.html>



### FCC Statement

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.

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.

### Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules.

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

### Caution:

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operating frequency: 2412-2462MHz

**NOTE:** (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.



### RECYCLING

This product bears the selective sorting symbol for Waste Electrical and Electronic Equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

### Technical Support

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[\(United Kingdom\)](mailto:support.uk@tenda.cn)

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