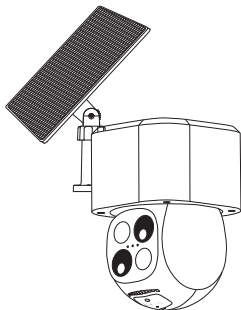




MEARI

AOV Solar Camera

W7 Zoom



Quick Start Guide

What's in the Box

Please check the package contents against this checklist.



1 x W7 Zoom Camera



1 x Mounting Bracket



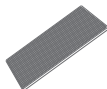
1 x Mounting Screw Kit
for camera



1 x Mounting Template
for camera



1 x Power Cable



1 x Solar Panel



1 x Mounting Bracket
for solar panel

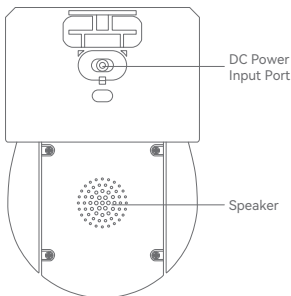
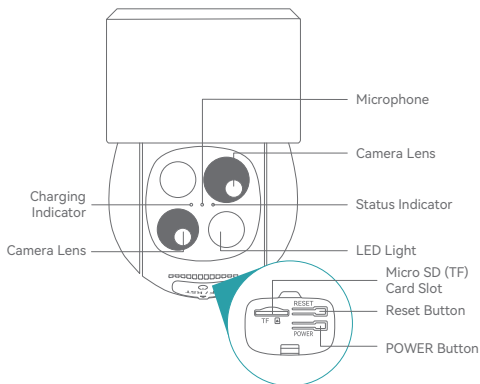


1 x Mounting Screw Kit
for solar panel



1 x Quick Start Guide

Description



Name	Description
Power Supply	5V DC / 2A
Status Indicator Light	 Solid Red: Network Abnormality  Slow Blinking Red: Awaiting Network Pairing  Fast Blinking Red: Connecting to Network  Solid Blue: Normal Operation
Charging Indicator Light	Red light: Charging Blue light: Fully charged
Micro SD (TF) Card Slot	Local storage via Micro SD (TF) card (max. 512GB capacity)
Reset Button	Press and hold for 5 seconds to factory-reset the device. All device settings will be restored to factory defaults.
POWER Button	Press and hold for 3 seconds to turn the camera on/off

Get the App

1 Download App

- **New Users**

The MEARI app is available for iOS and Android devices.

Search for **MEARI** in the Apple App Store or Google Play, or scan the QR codes below to download the app directly.



Download App (iOS & Android)

- **Existing Account Users**

If you already have a MEARI account, you may skip this step.

Note: Compatible with iOS & Android systems



iOS



Android

2 Router Configuration

This device supports only 2.4GHz network.

Please prepare your Wi-Fi SSID name and password in advance.



Please keep network available

2.4GHz



5GHz



Note: If the device fails to connect to the network, or you need to switch Wi-Fi networks, press and hold the Reset Button for 5 seconds to factory reset the device.

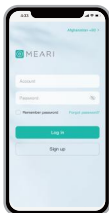
The SSID and password must not exceed 24 characters in length.

Registration

Note: App interface layout may vary with version updates. Please refer to the App Store for the latest version.

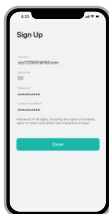
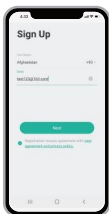
1 Account Entry

Launch the MEARI app, then tap **Sign Up** to create a new account. If you already have an existing account, tap **Log In** to sign in.



2 Complete Account Registration

Enter a valid email address, agree to the Privacy Policy and Terms of Service, then set your account nickname and password.

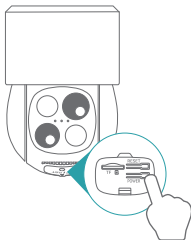


Note: Please carefully read and agree to the Privacy Policy and Terms of Use before registering a new account.

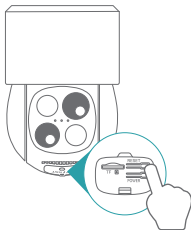
Add Device

1 Power On the Device

Press and hold the POWER button for 3 seconds to turn on the camera. The camera will emit an audible voice prompt once it is ready for pairing.



Note: If the status indicator does not blink red slowly 30 seconds after power-on, press and hold the Reset Button for 5 seconds to factory reset the device. Restart the camera afterwards to complete app pairing.

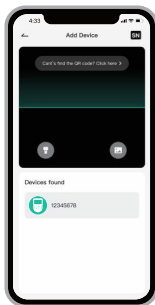
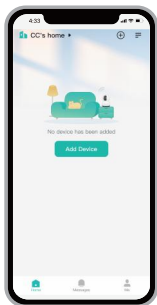


2 Enable Bluetooth on Your Mobile Phone

3 Pair Device with the App

Pairing Method 1: Bluetooth Pairing

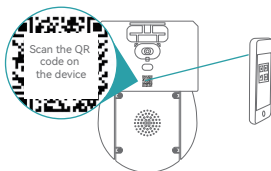
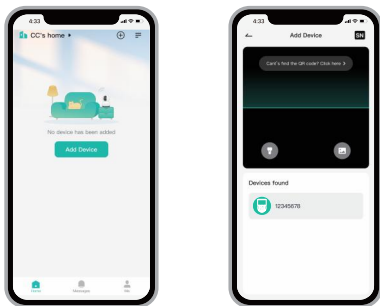
- a. In the MEARI app, tap **Add Device** or the + icon. The app will automatically scan for the device via Bluetooth, and the device will appear in the found device list.



- b. Follow the on-screen prompts to complete network configuration.

Pairing Method 2: Device QR Code Pairing

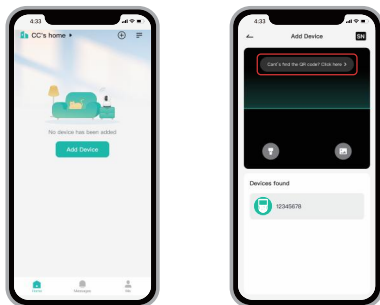
a. In the MEARI app, tap **Add Device** or the + icon. Scan the QR code printed on the device body.



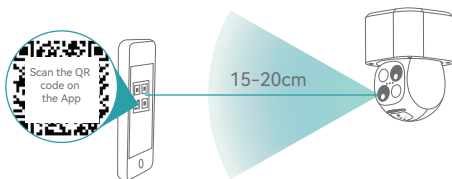
b. Follow the on-screen prompts to complete network configuration.

Pairing Method 3: App QR Code Pairing

a. In the MEARI app, tap **Add Device** or the + icon.



b. Select the corresponding device model icon, hold the device camera 15–20 cm away from the in-app QR code, and follow prompts to complete network configuration.



Solar Panel Installation

HOW TO POSITION YOUR SOLAR PANEL

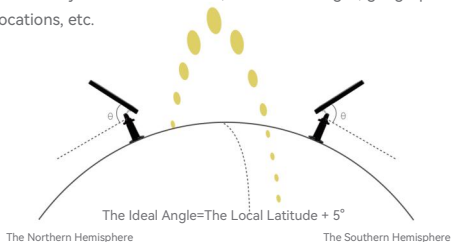
- Find the area that gets the most direct sunlight throughout the day.
- Angle the solar panel upward 30° .
- Point it south if in the northern hemisphere and north if in the southern hemisphere.

IMPORTANT

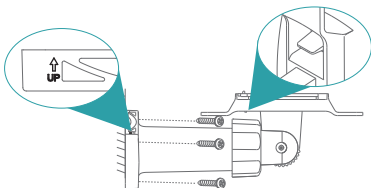
- Wipe the face of the solar panel with a soft, damp cloth regularly to clear any dust or debris.
- Be sure to update the firmware version of the camera to the latest version.

INSTALLATION

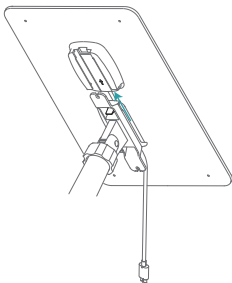
a. Please select a position with the most sunlight throughout the year for your solar panel. The solar panel only needs a few hours of direct sunlight to sufficiently power your camera daily. The amount of energy that the solar panel can produce is affected by weather conditions, seasonal changes, geographic locations, etc.



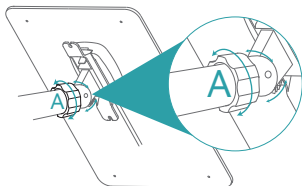
b. Mount the bracket with included screws. (Make sure the UP logo and the push-on part are facing upwards.)



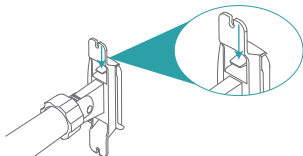
c. Insert the solar panel into the bracket and tighten it as shown in the figure. (Make sure that the UP logo of solar panel and the push-on part of bracket are facing upwards.)



d. Loosen the adjusting control (Part A) on the bracket and adjust the angle of the solar panel to make it receive direct sunlight, and then re-tighten the adjusting control to secure your setting.



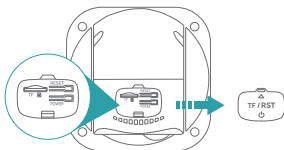
e. (Optional) Push down on the push-on part to remove the solar panel from the bracket.



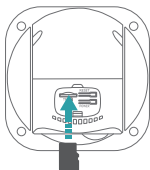
Camera Installation

1 Micro SD (TF) Card Installation (Optional)

- a. Remove the silicone plug to expose the card slot.



- b. Insert the Micro SD card (sold separately) into the slot.



- c. Replace the silicone plug for waterproof protection.

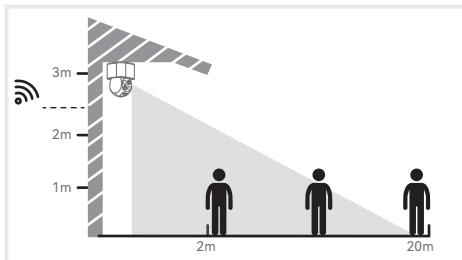
2 Location Selection

Select an installation position to achieve your ideal viewing angle.

Please take the following factors into consideration:

- Avoid direct sunlight exposure to the camera lens.
- Do not point the lens directly at plants, porch lights, or busy traffic roads.
- Keep the camera away from air vents, including AC vents, humidifier outlets, and projector heat exhaust vents.
- Install the camera 2–3 meters (7–10 ft) above ground.

This height allows clear facial identification and two-way audio communication. Ensure the camera covers your desired monitoring area.

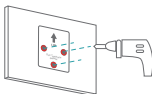


Note: Ensure the mounting wall can support at least 3 times the device's total weight.

Before installation, verify the mounting position will not interfere with network connection and normal device operation.

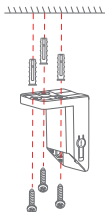
3 Mount Your Camera

- a. Remove the adhesive backing from the drilling template.
Affix the template flat to the wall, then drill 6mm diameter holes as marked.

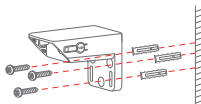


- b. Secure the included mounting bracket to a clean, smooth wall surface using the supplied screws.

Ceiling Mounting

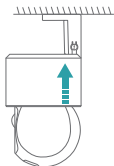


Wall Mounting

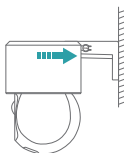


- c. Align the camera device with the mounting bracket, then press firmly and evenly until a clear click is heard to confirm it is locked in place.

Ceiling Mounting

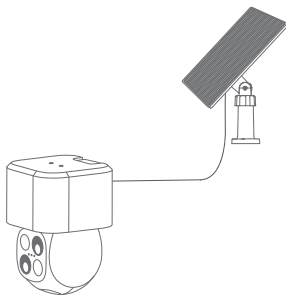


Wall Mounting



4 Installation Completed

Connect the camera to the solar panel.



Live View

Note: App interface layout may vary with version updates. Please refer to the App Store for the latest version.

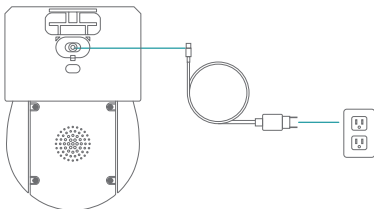
Launch the app to access live video streaming. You may take snapshots, enable two-way audio intercom, record videos, and use other available functions.



Charging

If you are not using a solar panel for power, the charging indicator will show red when the battery is low.

Connect the device to an outlet (5V DC / 2A) using the provided power cable. When the charging indicator turns blue, the battery is fully charged.



Functions

AOV (Always on Video)

By utilizing the latest AOV tech, the battery camera allows for 24-hour recording and event recognition up to 70 meters, addressing the limitations of traditional low-power devices that do not record when there is no triggering event.

When no one is detected, the device captures video at a user-set frame rate, eliminating invalid frames to save up to 90% of power and storage space. When a person is detected, the device immediately switches to live recording.

FAQs

Q: The device fails to preview live video properly?

A: Check whether your Wi-Fi signal strength is sufficient.

If the signal is weak, move the device closer to the router, or factory reset the device and re-add it to the app.

Q: Why does the device remain in the device list after resetting?

A: Factory reset only restores the device network settings. To completely remove the device from your account, launch the app and delete the device manually.

Q: How do I switch the device to a different Wi-Fi network?

A: First, delete the device from the app list and factory reset the device.

Next, connect your phone to the target Wi-Fi network, then re-add the device to the app..

Q: Why does the device fail to recognize the Micro SD (TF) card?

A: We recommend inserting the Micro SD (TF) card after powering off the device. Verify the card is functional and formatted to FAT32. Poor network connectivity may also cause card recognition failure.

Q: Why am I not receiving app push notifications?

A: Confirm the app is running in the background on your phone, and the device motion detection alert function is enabled. Also verify that system-level message notifications and notification permissions are enabled on your mobile device.

Tech Specs

Product Name	W7 Zoom
Model Name	W516T6S3
Resolution	2880(H) × 1620(V) + 2304(H) × 1296(V)
Field of View	60° / 35° / 70° 110° / 60° / 130°
Night Vision Distance	Up to 30 m (98.4 ft)
Pan/Tilt Range	Pan: 0~340°, Tilt: 0~90°
Battery Capacity	9000mAh rechargeable Li battery
Operating Temperature	-10°C to 50°C
Local Storage	Micro SD (TF) card (max. 512 GB capacity)
Input Power	5V DC / 2A
IP Rating	IP54
Supported Mobile OS	iOS 9.0+ / Android 5.0+
Bluetooth	2400–2483.5 MHz (Max. Power <10 dBm)
2.4GHz Wi-Fi	CE: 2412–2472 MHz (Max. Power <20 dBm) FCC: 2412–2462 MHz (Max. Power <30 dBm)

Certifications



Waste Disposal (WEEE Directive Compliance)

Do not dispose of batteries or faulty devices in household waste.

Hazardous substances contained within these items may pose risks to human health and the environment.

Please return such products to your retailer, or use the municipal separate waste collection system provided by your local city authority.



CE Declaration of Conformity

We hereby declare that the radio equipment model **W7 Zoom** complies with Directive 2014/53/EU.

The full EU Declaration of Conformity document is available at: <https://www.MEARI.com>

EMC Specific Precautions

This is a Class B radio product. In residential/domestic environments, this product may cause radio interference. In such cases, the user shall take appropriate corrective measures.

RF Exposure Information

This device complies with EU requirements (Directive 2014/53/EU) regarding public exposure limits to electromagnetic fields, for health protection purposes.

BATTERY SAFETY

1. Your device contains a rechargeable lithium-ion battery and should be replaced only by a qualified service provider. Do not disassemble, open, crush, bend, deform, puncture, shred or attempt to access the battery in your device.
2. Do not modify or remanufacture the battery, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids, expose to fire, explosion or other hazard.
3. Do not use a battery if its case appears damaged, swollen, or compromised. Examples include, but are not limited to, leaking, odors, dents, corrosion, rust, cracks, swelling, melting, and scratches.
4. Do not put the battery in trash that is disposed of in landfills. When disposing of the battery, comply with local ordinances or regulations.

Power Adapter Safety

1. The power plug is intended to serve as a disconnect device. Do not drop or cause an impact to the power adapter.
2. If the power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using it at once. Continued use may lead to electric shocks, short circuits, or fire.
3. Do not touch the device or the power adapter with wet hands. Doing so may lead to short circuits, malfunctions, or electric shocks.

Child's Safety

1. Comply with all precautions with regard to child's safety. Letting children play with the device or its accessories may be dangerous.
2. The device and its accessories are not intended for use by children. Children should only use the device with adult supervision.

Operation Requirements

1. Use the device under allowed humidity and temperature conditions.
2. 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.
3. Observe local laws and regulations, and respect the privacy and legal rights of others.

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.

Caution!

Any changes or modifications 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. To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator and your body: Use only the supplied antenna.

ISED Statement

This device compliance with CAN ICES-003 (B)/NMB-003(B) CAN ICES-003 (B)

Déclaration d'ISED Canada

Cet appareil est conforme à la norme CAN ICES-3 (B)/ NMB-3 (B).

ISED Compliance Statement

This device complies with ISED's licence-exempt RSSs.

Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

EXPOSURE WARNING

The device meets the exemption from the routine evaluation limits in section 6.6 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 6.6 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur.

Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

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V1.0 202606

THANK YOU FOR CHOOSING MEARI PRODUCT!

