Manuals+ — User Manuals Simplified.

ACCULENZ BD4 Battery Powered Security Camera User Guide

Battery-powered Security Camera
Quick Setup Guide

BD4
v1.0
305503000938

Contents

1 Safety Instructions of Battery Usage
2 What's in the Box
3 Camera Introduction
4 Different states of the LED indicator
5 Install the Camera
6 Mount the Camera
7 Solar panel installation
8 Storage Media
9 Safety Tips
10 Product Performance
11 Troubleshooting
12 Documents / Resources
12.1 References

Safety Instructions of Battery Usage

'The camera s not designed for running 24/7 at full capacity or around the-clock live streaming. Its designed to record motion events and to live view remotely only when you need it.

- The battery is built-in, 50 do not remove it from the camera.
- Charge the rechargeable battery with a standard and high-quality DC 5V battery charger or Acumens solar panel. Do not charge the battery with solar panels from any other brands.
- Charge the battery when the temperature is between 0°C and 45°C and always use the battery when the temperature is between -20°C and 60°C.
- Keep the USB charging port dry, clean and free of any debris and cover the USB charging port with the rubber plug when the battery is fully charged.
- Do not charge, use or store the battery near any ignition sources such as fire or heaters.
- Do not use the battery i it gives off an odor, generates heat, becomes. discolored or deformed, or appears abnormal in any ways. If the. battery is being used or charged, remove the battery from the device
- Do the charger immediately, and stop using it.
- Always follow the local waste and recycle laws when you get rid of the used battery.
- Please fully charge the battery before first use.
- Please use the included standard USB Type-C charging cable to charge to avoid charging failure.

Add Device: Connection via the Acculenz App
Before You Get Started
Scan the QR code below to download and install the Acumens AP from
APP Store (for i0S) or Google Play (for Android).

Acculenz

GET IT ON Google Play

Available on the App Store

Acculenz APP

To ensure a smoother video experience on your smart phone, it is recommended that your smart phone meet the following specifications:

- i05: version 11 or higher.
- Android: 5.0 or higher, using a device with a Graphics Processing Unit (GPU).

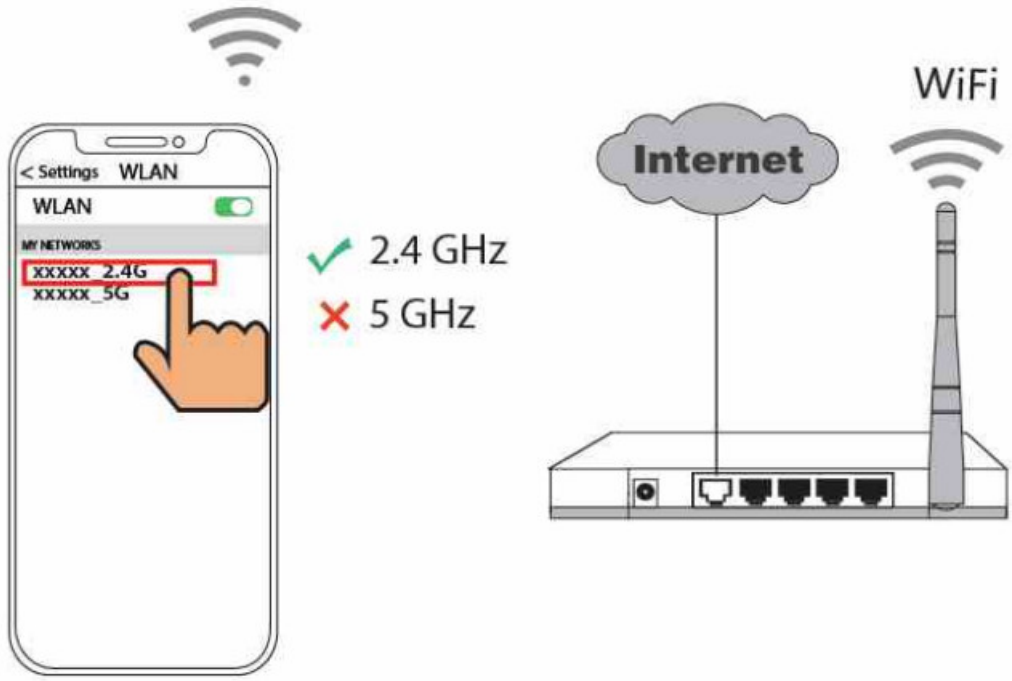
Note: For the best experience, please update the APP to the latest version!
Wifi connection

1. 0pen the Acumens APP and please sign up for a Acumens account, or sign in if you have one already.

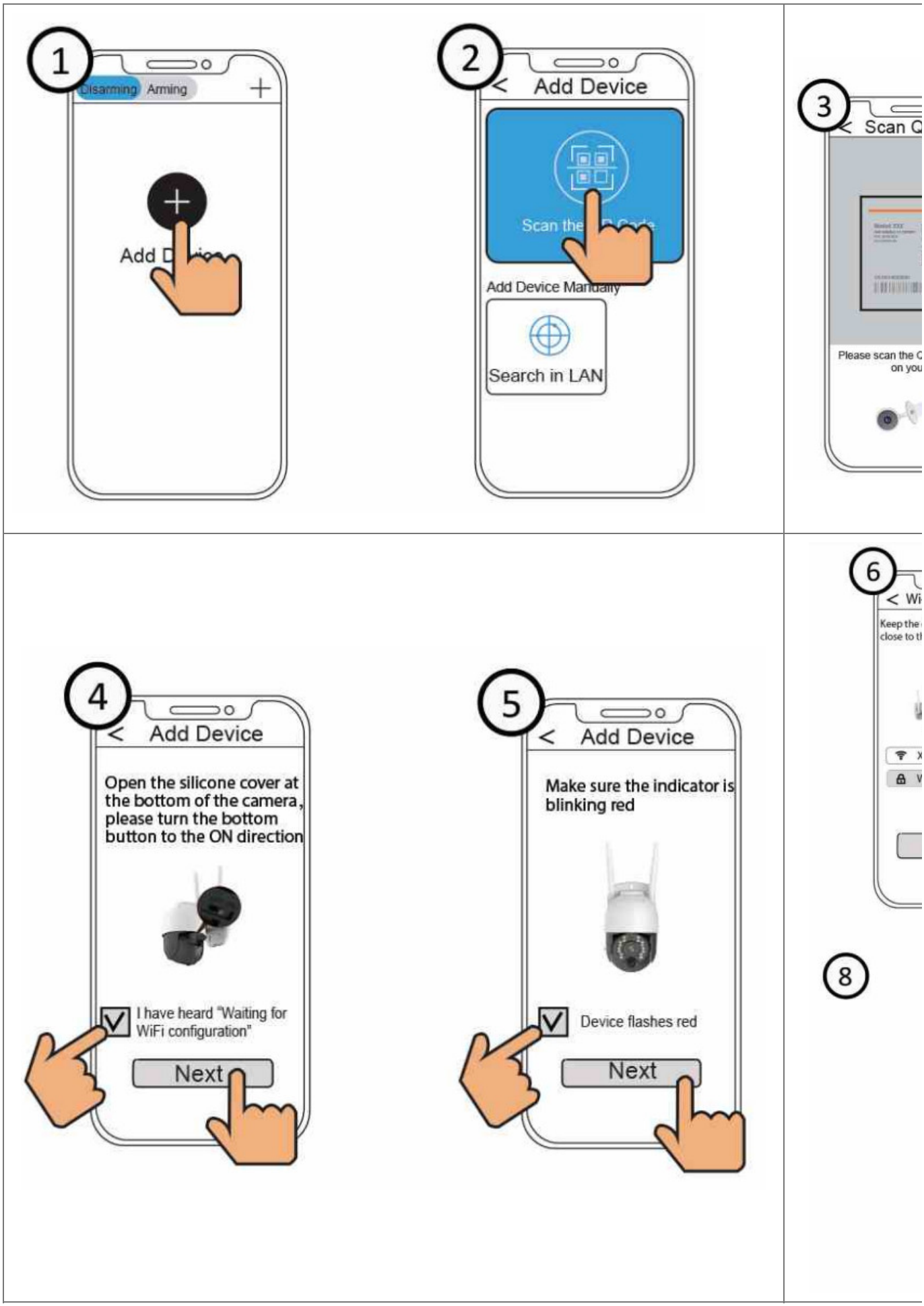
2. Turn on the power switch to power on the **camera.**

Warnings: Close cover tightly after use, to avoid water leakage causing the camera failure

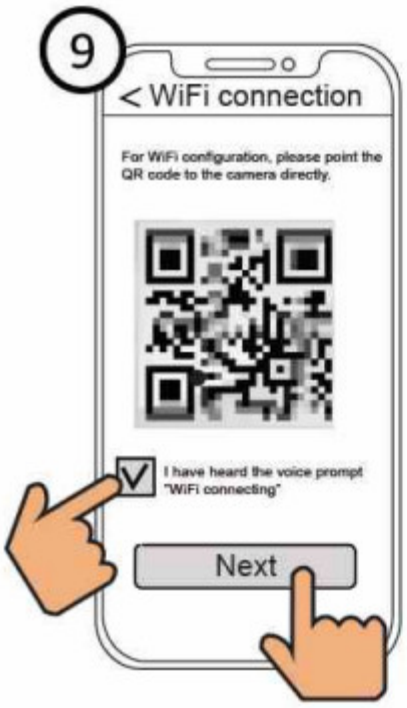
3. Mobile phone connection to the network.



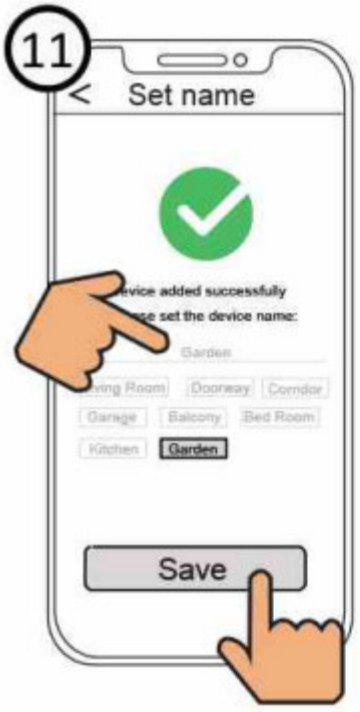
4. Follow the steps below:



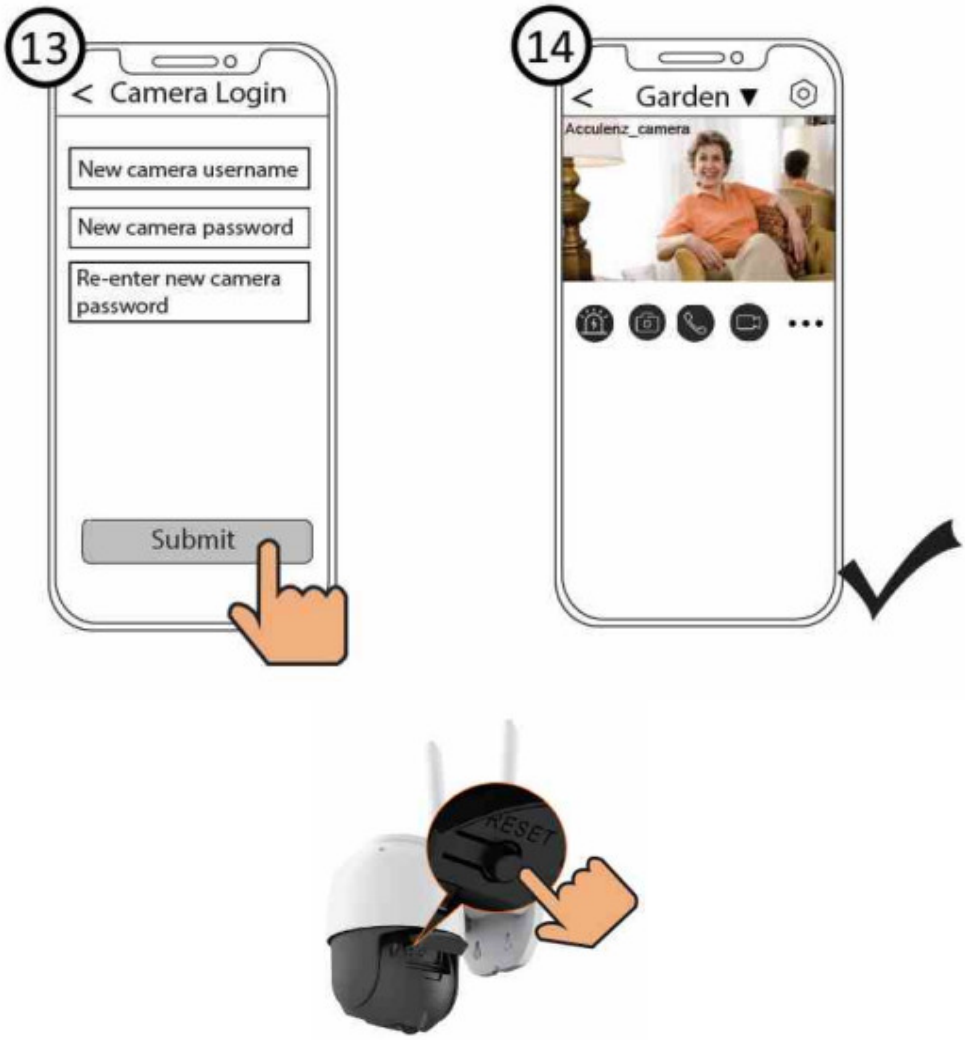
Important:
Please keep the cameramen's and the QR code at the same level, and keep it for 5~10s without moving, until you hear a voice promptly say "WiFi connecting'.


9
< WiFi connection
For WiFi configuration, please point the QR code to the camera directly.
I have heard the voice prompt "WiFi connecting"
Next

10
< Add Camera
Connecting to WiFi..
20%
Please do not exit this app or turn off the device during this process(requires approximately 2 minutes to complete)


11
< Set name
Garden
Living Room
Doorway
Corridor
Garage
Balcony
Bed Room
Kitchen
Garden
Save

12
My Device
Acculenz_camera



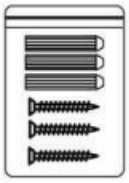
Note: I the process of adding a camera fails please reset your camera and try adding again with the above method.

What's in the Box

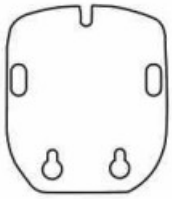
Camera x1

Solar Panel x1

USB Type-C Cable x1



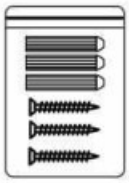
Screw kit x1
(For camera)



Drill Hole Position Template x1

User Manual x1

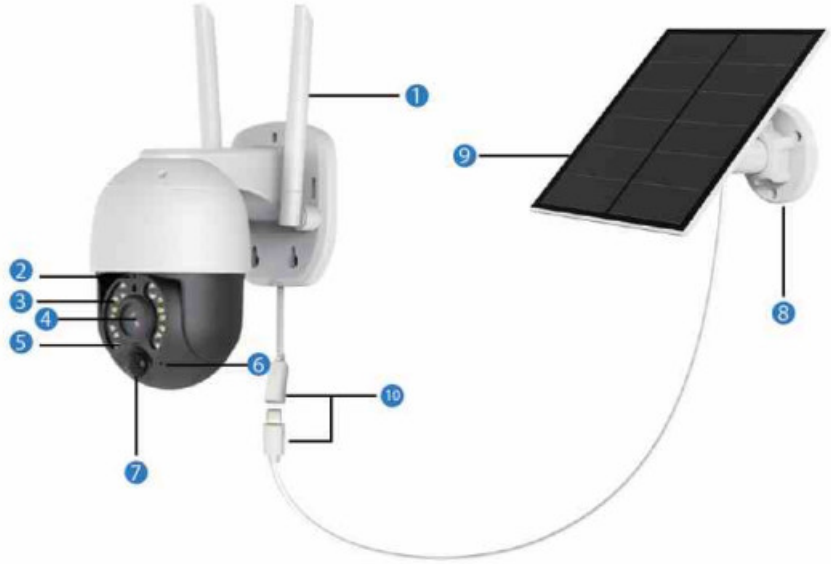
Solar Panel Bracket x1



Screw kit x1
(For Solar Panel)

Waterproof silicone cork
for camera charging port x1

Camera Introduction



1. Antenna
2. Led indicator
3. Spotlight
4. Lens
5. Infrared LEDs

6. Microphone
7. Passive Infrared Sensor
8. Solar Panel Bracket
9. Solar Panel
10. USB Type Port

11. TF cardio
12. Power ON/OFF
13. Reset button
14. Speaker

Different states of the LED indicator

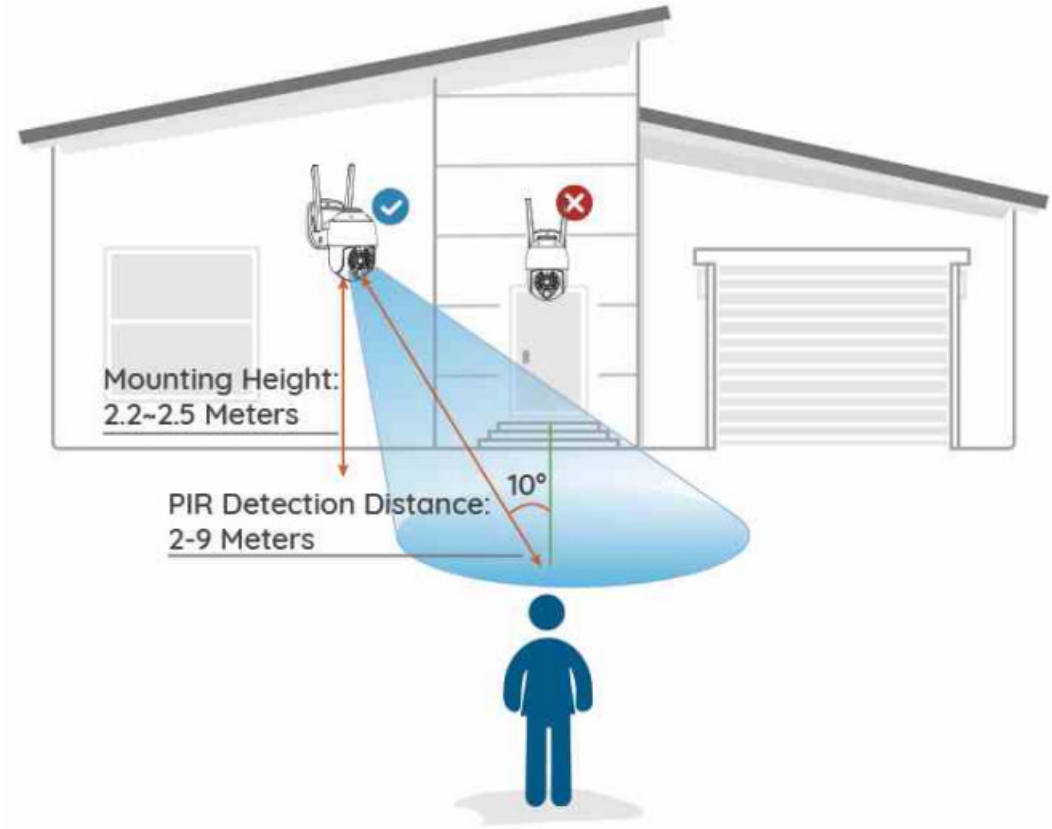
LED indicator	Description
The red light flashes slowly	Ready for Wi-Fi configuration
The blue light flashes quickly	Connecting to router
The blue light flashes slowly	Connecting to server
The blue light is always on	Connected to the server
The blue light flashes three times quickly and one slo wly	Charging in sleeping status
Blue & red lights are always on	Battery fully charged
Blue & red lights flash quickly	Firmware upgrading
All indicator off	Camera turned off or in standby status

Install the Camera

- Install the camera 2.2-2.5 meters (7-10 ft) above the ground. This height maximizes the detection range of the PIR motion sensor.
- For better motion detection performance, please install the camera angularly. Camera installation with tilt angle of 10″ downward is suggested.

NOTE:

1. If a moving object approaches the PIR sensor vertically, the camera may fail to detect motion. The angle of the camera s related to the detection distance.
2. The Pan& Tilt angle will affect the PIR detection range;

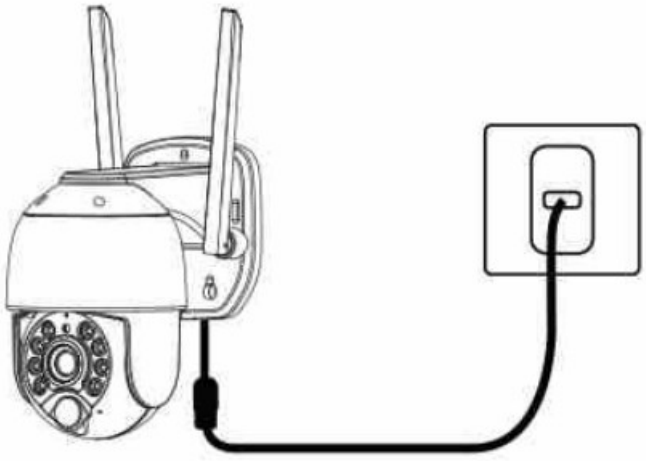


Mount the Camera

It's recommend to fully charge the battery before mounting the camera outdoors.

Option At

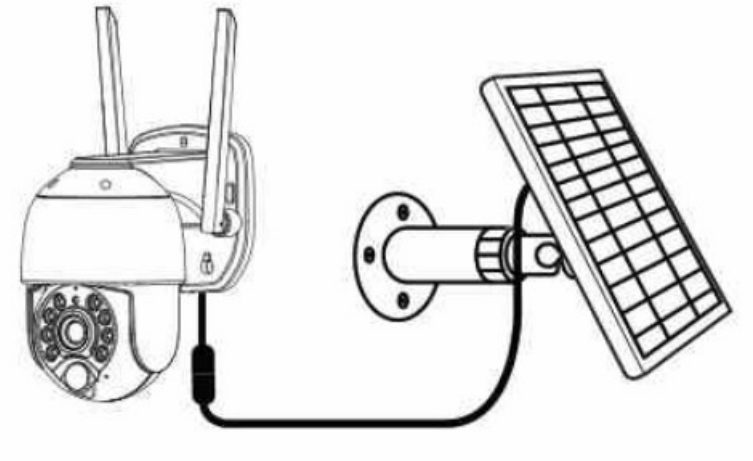
Charge the battery with power adapter (not included in the box, please find a SV/1A power adapter for camera)



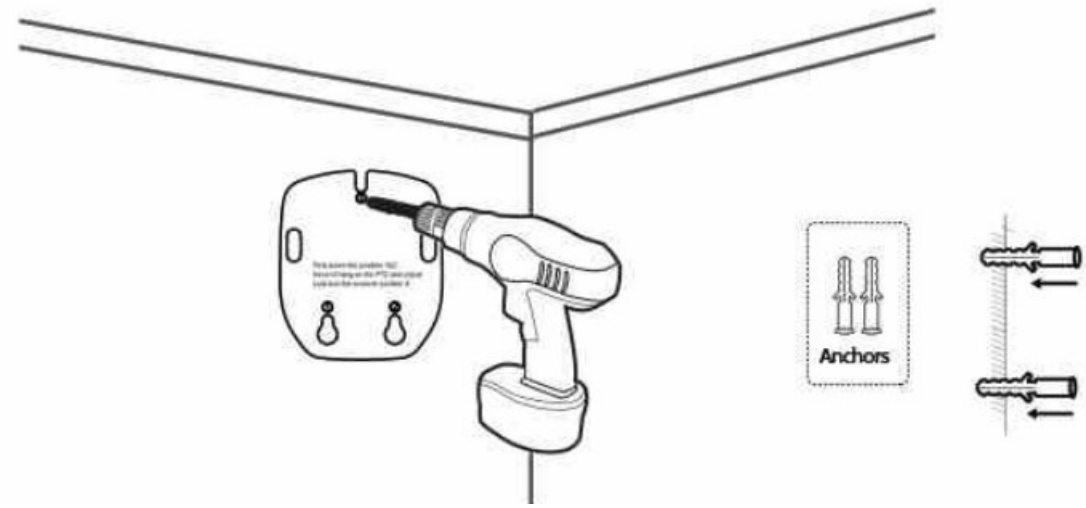
Please use the included standard USB Type-C charging cable to charge to avoid charging failure.

Option8:

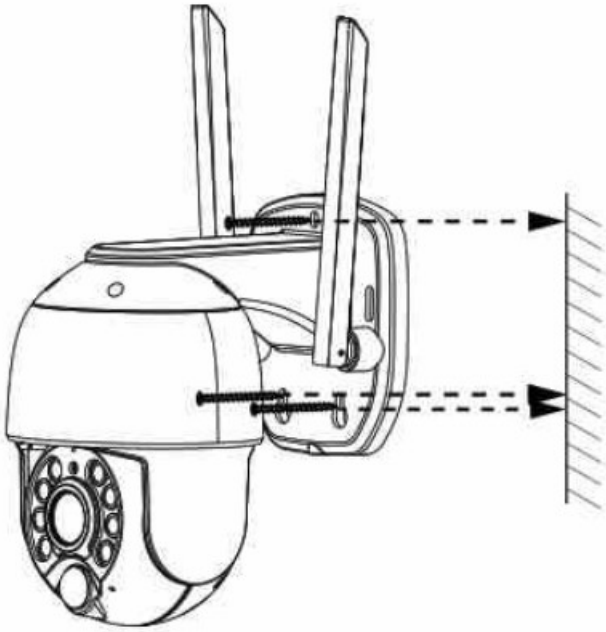
Charge the battery with the Acumens Solar Panel.



1. Use the drill hole position template to mark the screw holes in the area, and then use the drilling tool to punch holes on the wall. Screw the expansion untint the holes on the wall.



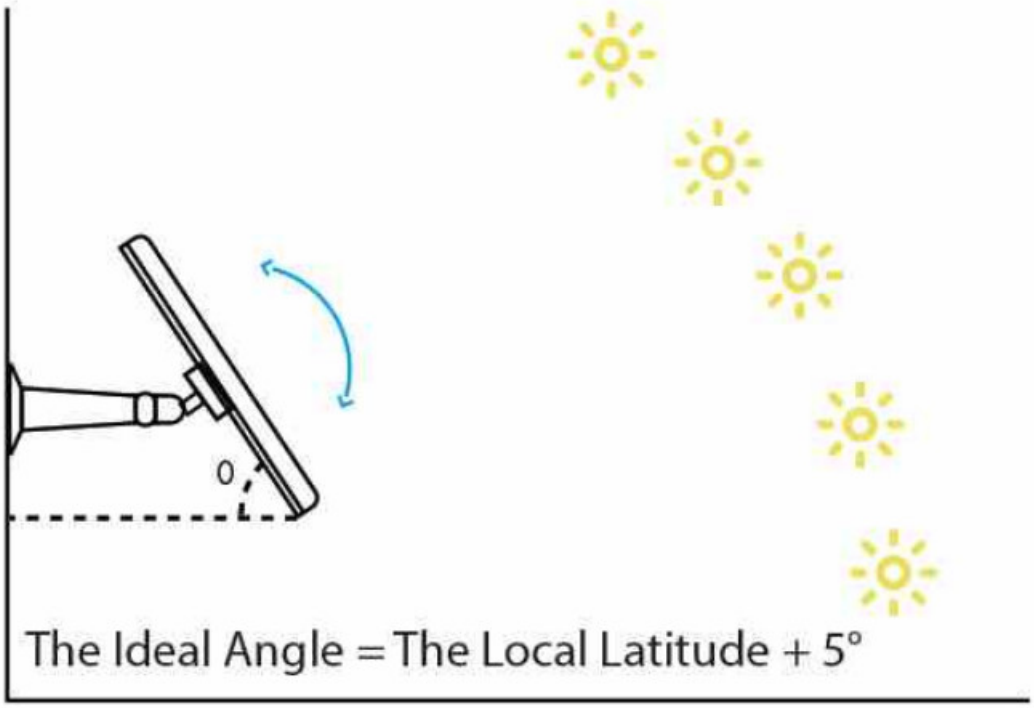
2. Mount the bracket with the screws provided in the package.



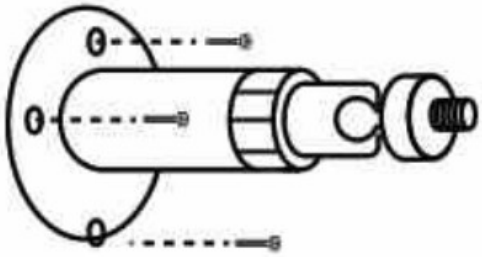
Solar panel installation

1. Please select a position with the most sunlight throughout the year for your solar panel. The Acumens solar panel only needs a few hours of direct sunlight to sufficiently power your camera daily. The amount of energy

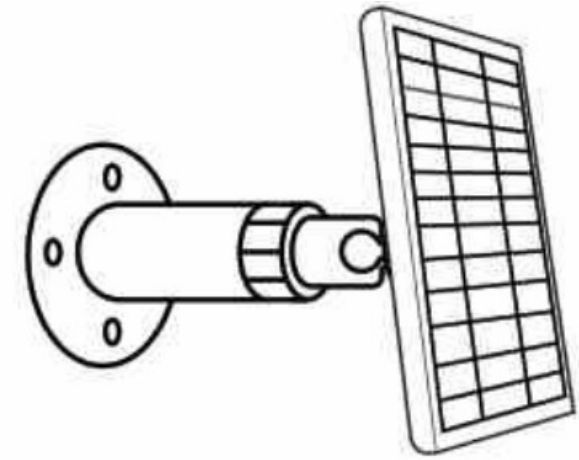
that the solar panel can produces affected by weather conditions, seasonal changes, geographic locations, etc.



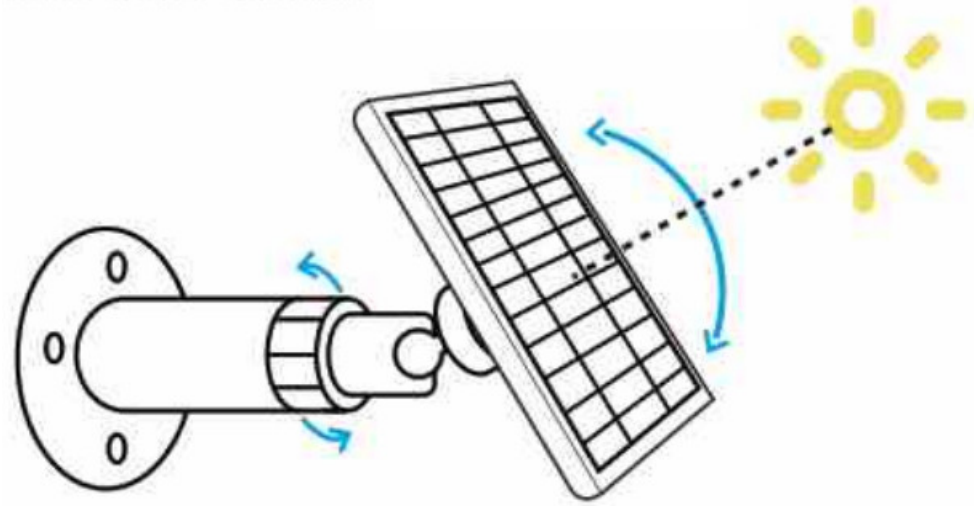
2. Mount the bracket with the mounting template and the screws provided in the package.



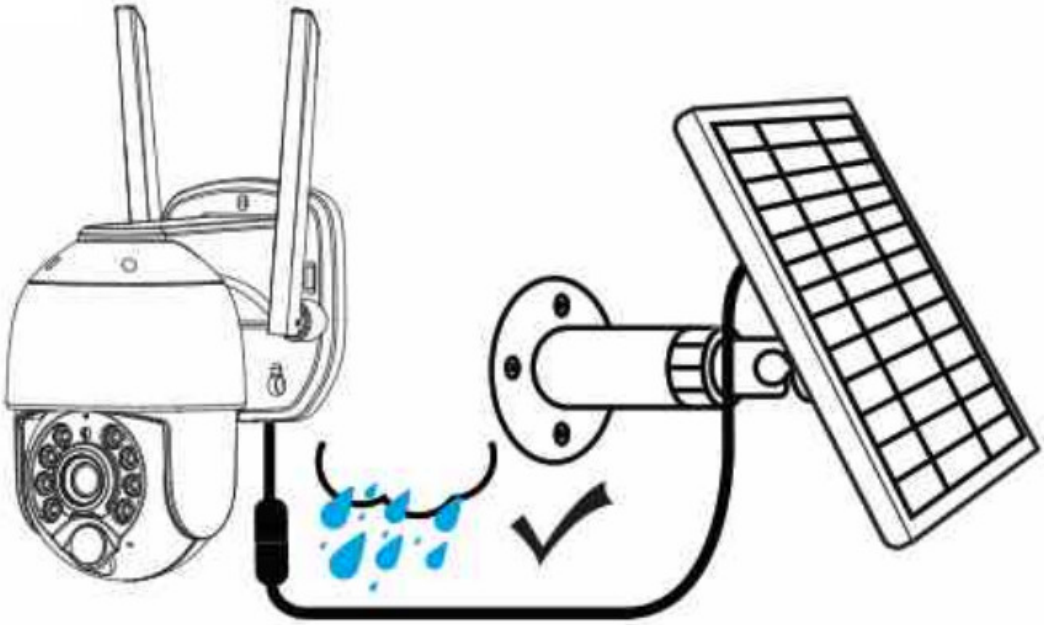
3. Slot the solar panel into the bracket and make sure it’s secure.



4. Loosen the adjusting control on the bracket and adjust the angle of the solar panel to make it receive direct sunlight, and then retighten the adjusting control to secure your setting.



5. Connect the solar panel to the Acumens Battery camera with the USB Type-C cable.



Important Notes:

1. Make sure that there is NO blocking on the solar panel. The energy harvesting efficiency drops drastically even when a small portion of the solar panel i blocked.
2. Please don’t install the solar panel completely horizontally. Otherwise: your solar panel might accumulate dust and other debris easily. st. advised to install the solar panel angularly to make it receive direct sunlight.
3. Wipe the solar panel regularly to remove the dust or debris.
4. Connect the TYPE-C port on the solar panel or Charge the battery with a power adapter to the tail cable on the camera. You have to hear a “click” to be waterproof.

5. Please use the included standard Us8 Type-C charging cable to charge to avoid charging failure.

Important Notice

Camera Username & Password

The camera username & password are used to access and manage your camera. Having a strong password can significantly improve the security of your camera.

If you have forgotten either of them, please press the “Reset” button.

Press the ‘Reset” button and hold it for more than 3-5 seconds

Storage Media

Your camera supports cloud and Micro SD card (only supports FAT32 format) storage formats.

Safety Tips

Prohibit use at high temperature	Prohibit use at low tempe
Do not burn	Keep away from children
Do not puncture and crush hear	No unauthorized disman
Use the correct supplied type-cable	Use the supplied screw p

Product Performance

WLAN frequency range	2412MHz – 2472MHz
Maximum transmission power	< 16dBm
Wireless Standard	IEEE802.11b/g/n (2.4GHz)
Power Supply	DC5V1.0A5W

Troubleshooting

- **Camera is Not Powering On**

  If your camera is not turning on, please apply the following solutions

  1. Make sure the power switch is turned on.

  2. Charge the battery with a DC 5V/1A power adapter. When the red and blue lights are on at the same time, the battery is fully charged.

  3. Use the 5V/1A DC power adapter to charge the battery. The blue light indicates that the battery is charging, while the light is not on, the current battery voltage may be too low to support the blue indicator light and it needs to be charged for a while before the blue light turns on. When the red and blue lights turn on simultaneously, the battery is fully charged.

  4. If these won't work, please contact Acumens support **support@acculenz.com**.

- **Failed to Scan QR Code on the Phone**

  If you cannot scan the QR code on your phone, please try the following solutions:

  1. Wipe the camera lens with a dry paper/towel tissue.

  2.Vary the distance between your camera and the mobile phone so that the camera can focus better.

  3.Try to scan the QR code under sufficient lighting,

- **Failed to Connect to WiFi During Initial Setup Process**

If the camera falls to connect to WiFi, please try the following solutions:

1. Ensure that you have entered the correct WiFi password.
2. Put the camera closer to your router to ensure a strong WiFi signal.
3. Change the encryption method of the Wifi network to WPA2-PSK/WPA-PSK (safer encryption) on your router interface.
4. Change your WiFi SSID or password and make sure that SSID is within 31 characters and password i within 64 characters.
5. Set your password using only the characters available on the keyboard.
6. If these won't work, please contact Acumens support: **support@acculenz.com**.

ACCULENZ

UK REP Name: Ouled Ltd
Address: 39-41 High Street, New Malden,
Surrey, England, KT3 4BY
E-mail: **oule.ukrep@outlook.com**

EC REP Company:
Qing UG (haftungsbeschrankt)
Address: Undines. 7, 12203 Berlin Germany
Tell:004917662179550
E-mail: **pmdheinrich@gmail.com**

Shenzhen Accu Lenz Technology Co., Ltd.
Room 2806-559, Foreign Trade Group Building, No. 239
Zhong Xing Road, Lihou District, Shenzhen, China
Support E-mail: **support@acculenz.com**
US&CA toll-free: +1833 587 5008
UK: +44 1388434593
Germany: +49 6931090129
Website: **www.acculenz.com**

CE FC UK CA

Documents / Resources

ACCULENZ
Battery-powered Security Camera
Quick Setup Guide
BD4
Content

Safety Instructions of Battery Usage

The camera is not designed for running 24/7 at full capacity or around-the-clock live streaming. It's designed to record motion events and to live-view remotely only when you need it.

- The battery is built-in, so do not remove it from the camera.
- Charge the rechargeable battery with a standard and high-quality DC 5V battery charger or Acculenz solar panel. Do not charge the battery with solar panels from any other brands.
- Charge the battery when the temperature is between 4°C and 45°C and always use the battery when the temperature is between -20°C and 60°C.
- Keep the USB charging port dry; clean and free of any debris and dirt. Close the USB charging port with the rubber plug when the battery is fully charged.
- Do not charge, use or store the battery near any ignition sources,such as fire or heaters.
- Do not use the battery if it gives off an odor, generates heat, becomes discolored or deformed, or appears abnormal in any ways. If the battery is being used or charged, remove the battery from the device or the charger immediately, and stop using it.
- Always follow the local waste and recycle laws when you get rid of the used battery.
- Please fully charge the battery before first use.
- Please use the included standard USB Type-C charging cable to charge to avoid charging failure.

Add Device: Connection via the Acculenz App

Before You Get Started

Scan the QR code below to download and install the Acculenz APP from APP Store (for iOS) or Google Play (for Android).

Acculenz | Acculenz APP

To ensure a smoother video experience on your smart phone, it is recommended that your smart phone meet the following specifications:

- iOS: version 11 or higher.
- Android: 5.0 or higher, using a device with a Graphics Processing Unit (GPU).

Note: For the best experience, please update the APP to the latest version!

■ **WiFi connection**

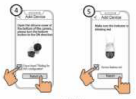
1. Open the Acculenz APP and please sign up for a Acculenz account, or sign in if you have one already.

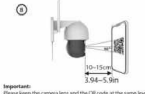
2. Turn on the power switch to power on the camera.

Warnings: Close cover tightly after use , to avoid water leakage causing the camera failure

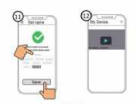
3. Mobile phone connection to the network.

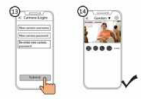
4. Follow the steps below:





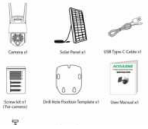
Important:
Please keep the camera lens and the QR code at the same level, and keep it for 5~10s without moving, until you hear a voice prompt say "**WiFi connecting**".





Note: If the process of adding a camera fails, please reset your camera and try adding again with the above method.

What's in the Box



12 English

Camera Introduction

13 English

Different states of the LED indicator:

LED indicator	Description
The red light flashes slowly	Ready for Wi-Fi configuration
The blue light flashes quickly	Connecting to router
The blue light flashes slowly	Connecting to server
The blue light is always on	Connected to the server
The blue light flashes three times quickly and rest slowly	Charging in sleeping status
Blue & red lights are always on	Battery fully charged
Blue & red lights flash quickly	Firmware upgrading
All indicator off	Camera turned off or in standby status

Install the Camera

- Install the camera 2.2-2.9 meters (7-10 ft) above the ground. This height maximizes the detection range of the PIR motion sensor.
- For better motion detection performance, please install the camera angularly. Camera installation with tilt angle of 10° downward is suggested.

NOTE:
1. If a moving object approaches the PIR sensor vertically, the camera may fail to detect motion. The angle of the camera is related to the detection distance.
2. The Pan&Tilt angle will affect the PIR detection range;

14 English

Mount the Camera

It's recommend to fully charge the battery before mounting the camera outdoors.

Option A:

Charge the battery with a power adapter (not included in the box, please find a 5V/1A power adapter for camera)

Please use the included standard USB Type-C charging cable to charge to avoid charging failure.

15 English

Option B:

Charge the battery with the Arculenz Solar Panel.

1. Use the drill hole position template to mark the screw holes in the area, and then use the drilling tool to punch holes on the wall. Screw the expansion nut into the holes on the wall.

2. Mount the bracket with the screws provided in the package.

16 English

Solar panel installation

1. Please select a position with the most sunlight throughout the year for your solar panel. The Arculenz 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.

2. Mount the bracket with the mounting template and the screws provided in the package.

3. Slot the solar panel into the bracket and make sure it's secure.

17 English

4. Loosen the adjusting control on the bracket and adjust the angle of the solar panel to make it receive direct sunlight, and then retighten the adjusting control to secure your setting.

5. Connect the solar panel to the Arculenz Battery camera with the USB Type-C cable.

Important Notes:

1. Make sure that there is NO blocking on the solar panel. The energy harvesting efficiency drops drastically even when a small portion of the solar panel is blocked.
2. Please don't install the solar panel completely horizontally. Otherwise your solar panel might accumulate dust and other debris easily. It's advised to install the solar panel angularly to make it receive direct sunlight.
3. Wipe the solar panel regularly to remove the dust or debris.

18 English

4. Connect the TYPE-C port on the solar panel or Charge the battery with a power adapter to the tail cable on the camera.You have to hear a "click" to be waterproof.

5. Please use the included standard USB Type-C charging cable to charge to avoid charging failure.

Important Notice

■ Camera Username & Password

The camera username & password are used to access and manage your camera. Having a strong password can significantly improve the security of your camera.
If you have forgotten either of them, please press the "Reset" button.

19 English

■ Storage Media

Your camera supports cloud and Micro SD card (only supports FAT32 format) storage formats.

■ Safety Tips

20 English

Product Performance

WLAN frequency range	2412MHz - 2472MHz
Maximum transmission power	< 16dBm
Wireless Standard	IEEE802.11b/g/n (2.4GHz)
Power Supply	DC 5V 1.0A 5W

Troubleshooting

● **Camera is Not Powering On**

If your camera is not powering on, please apply the following solutions;
1. Make sure the power switch is turned on.
2. Charge the battery with a DC 5V/1A power adapter. When the red and blue lights are on at the same time, the battery is fully charged.
3. Use the 5V/1A DC power adapter to charge the battery. The blue light indicates that the battery is charging, while the light is not on, the current battery voltage may be too low to support the blue indicator light and it needs to be charged for a while before the blue light turns on. When the red and blue lights turn on simultaneously, the battery is fully charged.
4. If these won't work, please contact Arculenz support: support@arculenz.com.

21 English

[ACCULENZ BD4 Battery Powered Security Camera] [pdf] User Guide

BD4 Battery Powered Security Camera, BD4, Battery Powered Security Camera, Powered Security Camera, Security Camera, Camera, Camera BD4

- **Failed to Scan QR Code on the Phone**

If you cannot scan the QR code on your phone, please try the following solutions:

1. Wipe the camera lens with a dry paper/towel/tissue.
2. Vary the distance between your camera and the mobile phone so that the camera can focus better.
3. Try to scan the QR code under sufficient lighting.

- **Failed to Connect to WiFi During Initial Setup Process**

If the camera fails to connect to WiFi, please try the following solutions:

1. Ensure that you have entered the correct WiFi password.
2. Put the camera closer to your router to ensure a strong WiFi signal.
3. Change the encryption method of the WiFi network to WPA2-PSK/WPA-PSK (safe encryption) on your router interface.
4. Change your WiFi SSID or password and make sure that SSID is within 31 characters and password is within 64 characters.
5. Set your password using only the characters available on the keyboard.
6. If these won't work, please contact Acculenz support: support@acculenz.com.

22 English

ACCULENZ

UK REP

Name: Oak Ltd
Address: 29-41 High Street, New Malden,
Surrey, England. KT3 4BY
E-mail: oak.ukrep@oakbook.com

EC REP

Company: Oing UG (Haftungsbeschränkt)
Address: Uhdenstr. 7, 12200 Berlin Germany
Tel: 0049 1762 1 70518
E-mail: pmdhenrich@gmail.com

Shenzhen AccuLenz Technology Co., Ltd.

Room 2806-559, Foreign Trade Group Building, No. 239
Zhongxing Road, Luohu District, Shenzhen, China
Support E-mail : support@acculenz.com
USACA toll-free : +1 833 587 5008
UK : +44 13 8804 5093
Germany : +49 6551 5061 29
Website : www.acculenz.com

23 English

References

- User Manual

Manuals+,