USER MANUAL

AKASO Wire-Free Security Camera CS300

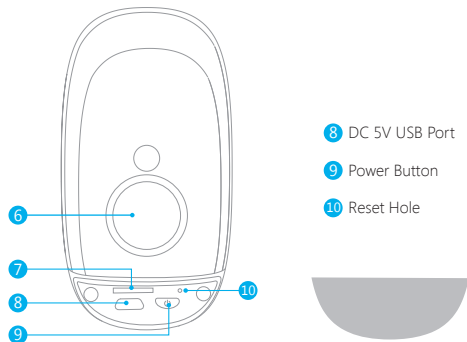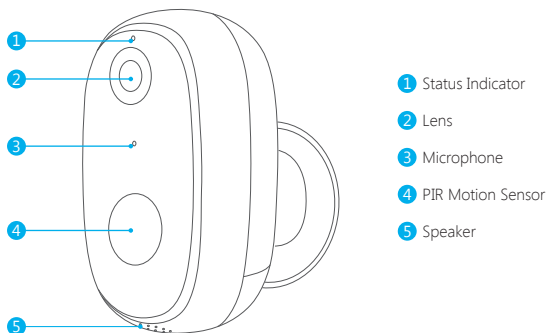AKASO

CONTENTS

WHAT'S IN THE BOX

AKASO CS300	Solar Panel	Bracket (Black) for Solar Panel	Wall Mount (White) for Camera
Magnetic Bracket	Double Tape	Mounting Screws	Expansion Bolt
Drill	USB Power Cable	Reset Pin	Quick Start Guide

CAMERA INTRODUCTION

1. Status Indicator
2. Lens
3. Microphone
4. PIR Motion Sensor
5. Speaker

8. DC 5V USB Port
9. Power Button
10. Reset Hole

Note: 7 8 9 10 are under the rubber plug and the rubber is for waterproof.

| Indicator Lights	Status
Slow Blinking Red	Awaiting Wi-Fi connection, start adding devices
Fast Blinking Red	Wi-Fi searching
Solid on Red	Network is abnormal
Solid on Blue	Wi-Fi connected, camera running normally
Slow Blinking Blue	Wi-Fi connecting

INSTALLATION

1. Bracket Installation

Drill three holes on the wall or ceiling, insert bolt into the hole and tighten to fix the device. Put the camera on it and adjust the direction.
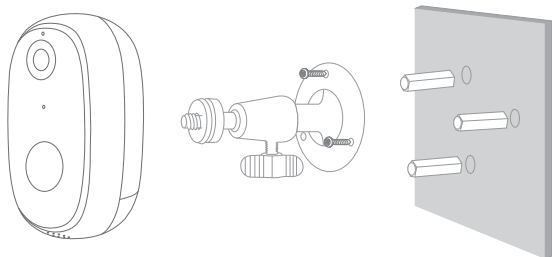

2. Solar Panel Installation

Drill two holes and insert screws. Align the hole on the back of solar panel. The solar panel also can be placed on horizontal plane with two feet. Put the camera on it and adjust the direction.
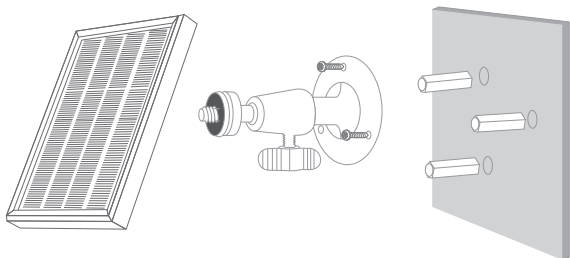
3. Magnetitic Bracket Installation

Drill one hole and insert screw. Align the hole on the back of magnetitic bracket. Put the camera on it and adjust the direction.
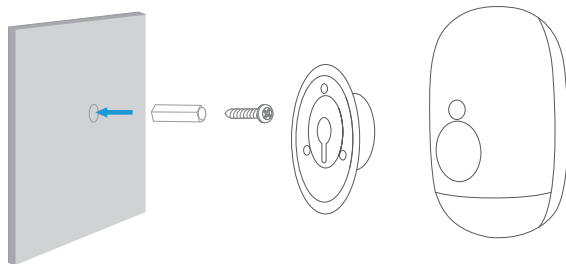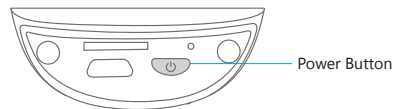

Note: Camera can be charged through both USB cable and polar panel.

SET-UP

1. Power on the Camera

Press and hold the power button for 5 seconds to turn on camera. (If it cannot be power on, plug in DC5V 1A/2A power adapter to charge the camera for 15 mins first.) The camera is started successfully when the indicator light blinking slowly.

Power Button

Note: DC5V 1A/2A power adapter is not included in packing list.

2. Install Phone APP

① Search "**Akaso Smart**" in App store or Google Play, or scan below QR code to download and install on smart phone.

Download the app from App Store   Download the App from Google Play

② New users need to register by E-mail or mobile phone number, follow the steps to complete the account registration, and log in. After registration, you need to add home information.

Note:

1. E-mail address or mobile phone number should be valid.
2. The length of password must be between 6-20 characters, no special characters included.
3. Please choose the same country in register and login.
4. If you forgot the password, click "**Forget Password**" to reset it.

3. Add Your Camera

① Bring the camera and your phone to the router within 1 to 3 feet (30 to 100 cm) and connect Wi-Fi.

30cm ~ 100cm
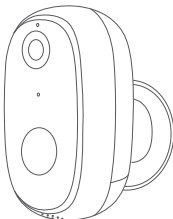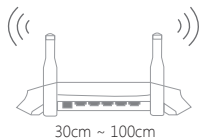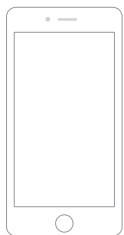
② Follow the instructions to ensure that the camera is activated. (The indicator light is turning red and flashing slowly.)

③ Choose Room, click "**Add Device → Security&Sensor → Smart Camera → next step → Enter Wi-Fi Password → Confirm → Continue**".
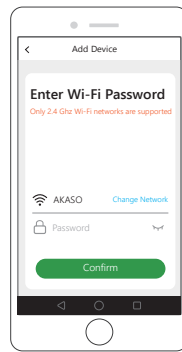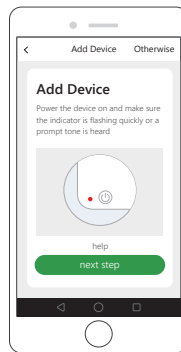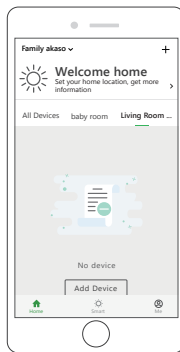
④ Select 2.4GHz Wi-Fi and input password, tap "**NEXT**".
⑤ Align the QR code with the camera lens in the distance of 6 inches (15cm) until the QR code is recognized. After hearing the sound "**Bee**", tap "**I HEARED THE BEEP**", see below picture.
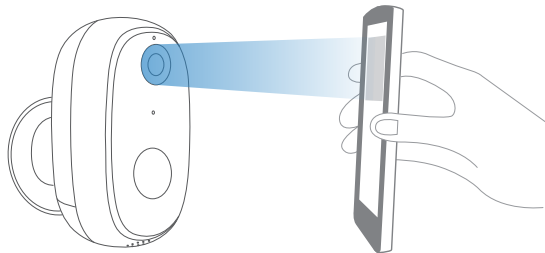
⑥ After clicking "**HEARD THE BEEP**", the camera will start connecting Wi-Fi, when connection finished, you can edit the camera name and select the room, then click "**DONE**", now you can watch live video.

ADJUST PIR DETECTION DISTANCE

PIR "**Body Detection**" is on by default and the default sensitivity is "**Mid**", but it is adjustable. "**My Device**" - The detecting distance is 6 meters (20 feet).

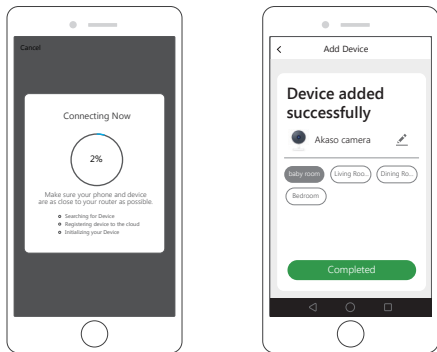| Sensitivity	Detection Distance (For moving and living things)
Low	Up to 4 meters (13 feet)
Medium	Up to 6 meters (20 feet)
High	Up to 8 meters (26 feet)

NOTE: Higher sensitivity offers longer detecting distance, but it would lead to more false alarms. You are advised to set up the sensitivity level to "Low" or "Medium" when you install the camera outdoors.

ALARM PUSH NOTIFICATION AND PLAYBACK

Battery camera with PIR sensor is not designed for 7*24 all day recording, but aims at pushing alarm message notification to app and record video to microSD card when PIR sensor detected human body motion events, then you can playback the motion videos wherever you are via Akaso Smart.

When PIR triggered, camera and system actions:
1. Alarm Sound in App (please open permission for Akaso Smart notification in mobile setting and turn mobile volume is on).
2. Alarm Message Notification (Please enable Akaso Smart notification in mobile setting).
3. Alarm snapshot and video will be recorded on microSD card (please insert TF card) or Cloud storage.
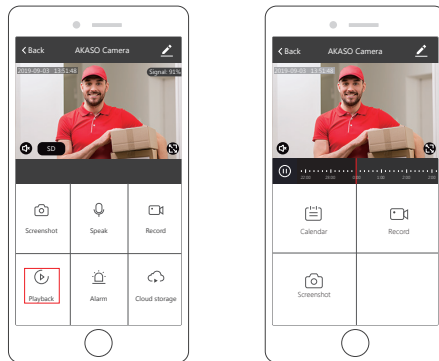
BATTERY MANAGEMENT

1. The camera has a built-in 6000 mAh 18650 battery, which can be used for 60-90 days in theory, assuming the camera wakes up 15 mins per day and watching 10 mins of video. (Note: The life of the battery depends on the times of the camera's wake-up. The more the times of wake-up, the faster the battery capacity is consumed.)
2. If the battery capacity is less than 20%, the app will send an alarm message to remind you to charge in time.
3. You can charge the camera with DC 5V/1A power adapter, or remove the built-in two 18650 batteries, charge the battery separately or replace it with a new one. (Note: It is recommended to use a compliant battery replacement)
4. If your battery is consumed too quickly, the possible cause is that the camera is woken up too frequently. It is recommended to lower down the "Body Detection" sensitivity or turn it off occasionally.

Put the battery cover back
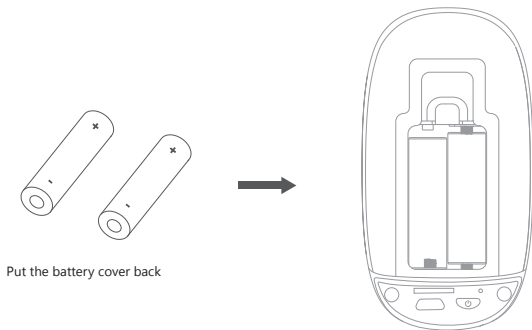
IMPORTANT NOTES FOR REDUCING FALSE ALARMS

1. Do not install the camera in a position facing any objects with bright lights, including sunshine, bright lamp lights, etc.
2. Do not place the camera too close to a place where there are frequently moving vehicles. Based on numerous tests, the recommended distance between the camera and vehicle is 15 meters (55 feet.).
3. Stay away from the outlets, including air conditioner vents, humidifier outlets, the heat transfer vents of the projects, etc.
4. Do not let the camera facing the mirror.
5. Keep the camera at least 1 meter away from any wireless devices in order to avoid wireless interference, including Wi-Fi router and phones.
6. When installing the camera, it's not suggested to make the PIR sensor vertically face the moving objects, otherwise it may not detect the motion event. It is suggested to make the angular between PIR sensor and detected object larger than 10 degree.

SPEC DATA

Camera	
Image sensor	1080P Color Sensor 1/3CMOS
Audio Input/output	Built-in microphone and speaker
Lens	3.6mm
Angle of view	120 degree
Day & night	Electronic (IR-CUT filter with auto switch)
Compression Standard	
Video compression	H.264
Bit rate	16Kbps~2Mbps
Dual stream	Yes

Image	
Image resolution	1080P (1920*1080), VGA (640*480)
Frame rate	25fps
Network	
Alarm trigger	Intelligent motion detection, support PIR
Wireless Security	WEP, WPA, WPA2
Remote wakeup	Support
Wireless	2.4G Wi-Fi(IEEE802.11b/g/n)
Supported phone OS	iOS 7 up, Android 4.0 up
Security	User authentication, software encryption
Battery	
Battery	6000mAh, rechargeable, 2pcs 18650
Standby consumption	500μA
Work consumption	220mA
Standby time	6 months
Working time	3 months (15 times wake up per day)
General	
Operating temperature	−20 °C to 50 °C
Power supply	Support, optional, DC 5V/1A
IR distance	Night visibility up to 15m

TROUBLESHOOTING SHEET

Troubleshooting Sheet	
Description	Solution and operation
Unable to Connect	1. Check your Wi-Fi name and password 2. Ensure your Wi-Fi is 2.4G, not 5G 3. Ensure your camera and phone close to router
Reset	1. Insert pin in the reset hole for 5 seconds 2. Hear one "Bee" sound 3. Red light turns to slow blinking
Change to a New Network	1. Insert pin in the reset hole to factory default setting 2. Re-connection
Alarm Picture Without People	1. The camera takes time to wake up and people move too fast 2. Some objects around 36 °C is moving in the picture
No Alarm Push	Enable Akaso Smart app notification in mobile settings
No Alarm Video Record	Please insert TF card
Device Offline	Check if the network transferring fluency processes well
Browse Video Delay	Check the Wi-Fi network, the distance between the camera and the router should not be too far.
Short Battery Life	The camera has been woken up too many times. It should not be installed on the side of the road or exposed to the sun.
Cannot start camera after replacing battery	1. Check the battery positive and negative 2. Check if the battery is normal

CONTACT US

For any problem with AKASO products, please feel free to contact us, we will respond within 24 hours.

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