SOLAR POWER BULLET WIFI CAMERA

Quick Guide

* Before using the product, please read the Quick Guide carefully and keep it well.

* This instruction manual is for reference only.
Packing List

After opening the package, please check the low-power wireless battery camera (the “Equipment”) to verify whether the following parts are complete.

- Equipment
- Bracket
- Screw Package (including Screw)
- Quick Start Guide

Appearance

- Reset/On&off
- USB Interface
- AP Switch
- TF Card Slot
- Battery Compartment
- Speaker
The battery of the equipment is charged through the USB interface. When connected USB the equipment will be automatically turned on. Under the power-on state, pressing the switch button for a long time, the device will automatically switch mode when the tone is heard, and the AP mode will sound. After entering the AP mode, the red indicator light flashes slowly. You can use the mobile phone WIFI to search for the device SSID. The default connection password is 12345678. After accessing WIFI, and add the device by scanning the QR code. The default device password is admin. After the device is added and connected successfully, entering the setting interface and click the synchronization time button to sync your phone's time with the device.

Reset/On&off
Under the power-on state, pressing the switch button for a long time, the device will automatically switch mode when the tone is heard, and the AP mode will sound. After entering the AP mode, the red indicator light flashes slowly. You can use the mobile phone WIFI to search for the device SSID. The default connection password is 12345678. After accessing WIFI, and add the device by scanning the QR code. The default device password is admin. After the device is added and connected successfully, entering the setting interface and click the synchronization time button to sync your phone's time with the device.

USB Interface
The battery of the equipment is charged through the USB interface. When connected USB the equipment will be automatically turned on.

Speaker
Used to send out a system prompting sound and achieve voice dialogue.
AP Switch: Under the power on state, press and hold the reset button for 3 seconds, and the “drop” sound will be heard, and the device will be restored to the factory settings. If it is in the AP mode, the factory settings will be restored. The device will return to the default WIFI mode. After the device is restarted, the blue indicator light starts to flash. In the power-on state, long press the reset button for 3 seconds to hear the tone and then let go, continue to press for more than 8 seconds, you will hear the shutdown tone, then let go, the device enters the shutdown state.

Power Button Press and hold for 3 seconds to shut off, you can hear the horn sound; In sleep mode, press briefly for 1 second to wake up the device; Under the blue light working condition, short press 1 second to push message.

TF Card Slot The user can insert 8G, 16G, 32G SD card (Please use branded card with C10 and above) to store video image files.

Battery Compartment You can install two 18650 batteries (please note the positive and negative direction, the negative electrode is facing outward), You do not have to connect the equipment to the wire power, Just the batteries will power the equipment.

MIC Used to collect ambient sound and achieve vocal dialogue.

IR LED In the event of inadequate ambient light, turn on the IR LED to increase the brightness.

Lens Used to collect the image and video.

Solar panel PIR Solar panel permanently charging.

PIR PIR supported, when someone is at the effective distance of the camera, warning information is immediately pushed to the cell phone app.
### Indicator Lights
- When the Blue Indicator Light is blinking, the Equipment is in the configuration status;
- When the Red Indicator Light is always ON, the WiFi connection has failed;
- When the Blue Indicator Light is always ON, the Equipment is successfully connected;
- When the Red and Blue Indicator Lights are ON at the same time, the Equipment is connected to WiFi;
- When the Red and Blue Indicator Lights are OFF at the same time, the Equipment is OFF or standby.

### Light Sensor
Used to collect ambient light. When luminance is lower than 2 Lux, turn on the IR LED.

### Fixed Hole
Use the mounting screws included in the accessory kit to fix the rear stand.

### Stent Screw
For vertical stand (optional)

### Installation Guide
As shown in the figure, install the stand:

1. **Use the screws in the mounting kit to fit the bracket on the wall.**

2. **Mounting two 18650 specification batteries** (Only 1pcs battery can also be used. Pay attention to the positive and negative electrodes).
Equipment Connection

Thanks for choosing our product. To start with, scan the following QR codes to install the app. After completion, set up your Equipment by following the steps below.

1. Download the Mobile App

   1) Scan the QR codes to download it
   2) For Apple users, search “UBell” in the App Store to download it
   3) For Android users, search “UBell” in Google Play to download the app

   iOS APP

   Android APP
2. Setting up New Equipment

Power on the Equipment and wait for the system voice prompting: “Enter the Configuration Status”. (If not in this status, please press and hold the Reset Button for 5 seconds after waking up the Equipment, and release it after the Equipment’s LED is OFF. The system is automatically restarted.) After the Equipment enters the configuration status, please ensure that the cell phone is connected to the available WiFi. After that, open the “UBell” app to install the doorbell device.

Click to add the Equipment

Click to install the device
Before setting, ensure that the Equipment is in the configuration status. Under the configuration status, there will be a voice prompt to “enter the configuration status”

If no prompting voice is heard, please press the Reset Button for 5 seconds and wait until the LED is OFF, and then release it. The Equipment will be restarted to enter the configuration status.
The app will automatically complete the name of the WiFi. Please input the corresponding WiFi password, and then click “Next”. If this is the second time you are connecting to the same WiFi, the app will automatically complete the password. It is not necessary to re-enter the password.

The cell phone will send out a sound wave. Please keep quiet at this moment. Please put the cell phone 30cm away from the Equipment, and wait for the Equipment to configure the network.
The Equipment has been connected with the network. Please enter the name and password of the Equipment. The password must be at least 8 characters long (including upper case letters, lowercase letters and digits) (the password listed is for reference only).

The setting is done. The Equipment will automatically enter the List of Equipment interface. Congratulations! The Equipment has been successfully installed.

3. Instructions on Use of Equipment
1) In the List of Equipment interface, click the Setting icon at the upper-right corner of the Equipment to enter the setting interface of the Equipment.
Open the reminder mode, select the push message, when the PIR triggers the alarm, you can receive the reminder message. If you choose not to remind, you will not receive the reminder. If you choose the incoming call, you will receive the incoming call.

If you have already installed your device and want to share it with family number or friends, you can send your device QR code to them.

Delete the Equipment in the List of Equipment. After deletion, the Equipment will not be in the List, and calling will not be received any more, Equipment can still be checked by other connected cell phones.

Instructions on PIR
The PIR function is supported. To activate it, just choose PIR in the setting menu

Inactivated
- In this status, PIR is closed

Lowered Sensitivity
- In this status, continuous 7-second body induction will wake up the recording of the Equipment and call the cell phone

Moderate Sensitivity
- In this status, continuous 5-second body induction will wake up the recording of the Equipment and call the cell phone

High Sensitivity
- In this status, continuous 1-second body induction will wake up the recording of the Equipment and call the cell phone

Note: If used in a higher traffic environment, OFF or Lowered Sensitivity is suggested in order to reduce the waking up of the Equipment and call times, thus prolonging the battery life
Cloud Storage

1). In the UBell APP setting menu, choose storage management, and open Cloud Storage

2). At the bottom of the preview page, the “Switch” button in the panorama mode becomes the “Cloud Storage” button

3). Cloud Storage Description: When the device is in sleep state, PIR trigger or press the doorbell button, the device will automatically upload 8 seconds of video to the cloud, each device can record 20 events per day, and have a week of permanent free storage cloud for users to use.
4). Tap the calendar icon in the upper right corner and select the date to see all the cloud videos for the selected date

5). Click on the event video to see the cloud video

4. Attention!

1) 1. This device is powered by 18650 battery. It is expected to be used for 6 months when fully charged. When the voltage is insufficient, the battery symbol of the mobile APP interface will be prompted. Please charge the device in time after seeing the prompt.

2) During installation, please ensure that the network is normal in the installation environment, and especially outdoors, please check whether WiFi covers the area. In the case of a weak WiFi signal, it is required to add a WiFi signal relay amplifier.
3) This device is a low-power consumption smart product that can support APP remote wake-up, PIR human detection wake-up and press the power button to wake up. Every 15 seconds after awaken it will automatically go to sleep mode until the next wake up.

## Technical Parameters

<table>
<thead>
<tr>
<th>Chip</th>
<th>Hisilicon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens</td>
<td>wide-angle lens</td>
</tr>
<tr>
<td>Video Streaming</td>
<td>Transfer 1920*1080/15fps</td>
</tr>
<tr>
<td>CMOS Performance</td>
<td>Support automatic white balance, automatic gain control, automatic backlight compensation</td>
</tr>
<tr>
<td>System</td>
<td>Lite OS</td>
</tr>
<tr>
<td>Stand-by time</td>
<td>Built-in 2 18650 batteries, will keep standby when raining days. It can be used for 6 months. External solar panels continue to charge the battery</td>
</tr>
<tr>
<td>Day and night transition</td>
<td>Automatic switching of double filter</td>
</tr>
<tr>
<td>IR Distance Network configuration</td>
<td>850nm infrared ray, effective range 10m sound configuration</td>
</tr>
<tr>
<td>PIR body motion detection</td>
<td>Support PIR motion detection awakening</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Audio</th>
<th>Audio coding standard</th>
<th>AAC and G.726</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio input/output</td>
<td>-38dB Microphone/built-in 1 speaker</td>
<td></td>
</tr>
<tr>
<td>Function</td>
<td>Video recording</td>
<td>Video mode</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>Network</td>
<td>WiFi</td>
<td>2.4GHz</td>
</tr>
<tr>
<td></td>
<td>Network protocol</td>
<td>TCP/IP, HTTP, TCP, UDP, SMTP, DHCP, DNS, P2P</td>
</tr>
<tr>
<td></td>
<td>Wirteless</td>
<td>WIFI802.11b/g/n WI-FI</td>
</tr>
<tr>
<td>Alarm</td>
<td>Passive human infrared detection</td>
<td>Support</td>
</tr>
<tr>
<td></td>
<td>Adaptive bit rate</td>
<td>Support</td>
</tr>
<tr>
<td></td>
<td>Two-way voice talk</td>
<td>Support full duplex real-time call</td>
</tr>
<tr>
<td></td>
<td>Panoramic display mode</td>
<td>Simulated 3D and automatic cruise</td>
</tr>
<tr>
<td></td>
<td>Stand-by time</td>
<td>15S, 30S, 60S adjustable</td>
</tr>
<tr>
<td></td>
<td>Voice call</td>
<td>Support</td>
</tr>
<tr>
<td></td>
<td>Remote wakening</td>
<td>Support</td>
</tr>
<tr>
<td></td>
<td>iCloud storage</td>
<td>Support</td>
</tr>
<tr>
<td></td>
<td>PIR trigger</td>
<td>Support</td>
</tr>
<tr>
<td></td>
<td>Mobilephone APP</td>
<td>Ubell, ios10.0, android5.0 above</td>
</tr>
<tr>
<td>System</td>
<td>Power supply</td>
<td>Removable 18650 battery two pcs + solar panel permanent charging</td>
</tr>
<tr>
<td>requirement</td>
<td>Operating temperature</td>
<td>-10℃ ~ +50℃</td>
</tr>
<tr>
<td></td>
<td>Operating Humidity</td>
<td>≤80%RH</td>
</tr>
</tbody>
</table>
Q&A

Q: Why can’t the Equipment be connected to WIFI?
A: 1. Please confirm that the WiFi connection is under the 2.4G protocol.
2. Confirm that the Blue Indicator Light is blinking slowly.
3. Check whether the account name and password are correct, and whether there are excessive spaces.

Q: The Equipment is online, and there is a trigger event, but the cell phone doesn’t receive any push messages
A: Check whether the app has “automatic starting” activated, and whether the “application authority” has the notification function activated. Disable “battery optimization” and “close the app when in the background and Always On Display” (depending upon the actual situations, considering different optimization modes for different.

Q: What kinds of power supply modes are supported?
A: 1. Equipment can work with 18650 battery alone.
2. Can charge the device via USB, When connected with USB it will be turned on.
3. Solar panel permanently charging

Q: Does the Equipment support 3G?
A: 3G cell phones are not supported, only 4G is supported.
Introduction to Functions

- 2*18650 battery can be used for 6 months in standby situation
- HD pixels matched with wide-angle lens
- Cell phone waking up supported
- 2.4G WiFi connection supported
- Clear two-way audio
- PIR supported. When someone is wandering outdoors, warning information is immediately pushed to the cell phone app
- Automatic switching of Day/Night mode, all with clear pictures, safeguarding you and your family members
- Cloud-storage supported
- Solar panel permanently charging

Tip: There will be no further notification of any change of the above functions. Please take the actual object as the standard. Thanks!