Low Power Solar WiFi Camera

User's Manual

The images in this Manual may differ from the product in kind, which shall prevail
This Manual applies to the Mycam series.

SOLEMNLY REMIND

Please install the Camera in the location of direct sunlight, otherwise the Camera may appear power shortage.

STATEMENT

1. Please be kindly noticed that the content described in this manual may differ than the version you are using.For any unsolvable problems encountered in using this product,Please contact our technical support or product distributor.
2. Please be kindly noticed that, this Manual is subject to updates without a prior notice.

NOTICE OF USE

1.Installation
* Please note that the product is installed away from the fire source.
* Please install this Product according to this Manual. Never install it in places with strong vibration or put other equipment on this Product.

2.Transportation and Handling
* Please use original packaging materials and carton while handling this Product to keep safety, since such packaging has passed anti-vibration design and test.
* Please move gently during handling to prevent damage due to vibration equipment；

I. Packing List：

S/N	NAME
1	Main unit of camera
2	Mounting bracket of camera
3	WiFi antenna
4	USB charging line
5	Tweezers （Or screwdriver）
6	User's Manual

II. Features
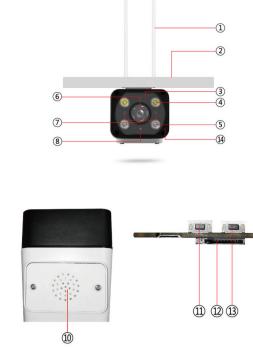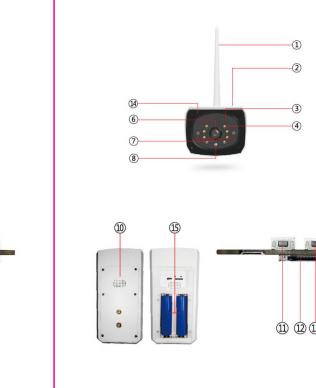
1. Use of solar power, with uninterruptible power supply;
2. Use of HMD (Human Motion Detection), by which, the camera will start to shoot video within 1 second when the distance between someone and camera is less than 10m, and at the same time push the warning message to the mobile ;
3. Supports remote wake-up ;
4. Supports WiFi (2.4G)
5. Night camera can switch between white-light source and infrared light modes;
6. Inductive street light, and the street light will be on when there's people detected within range of 10m and the camera will be activated at the same time (need to adjust to white-light source mode)
7. Both local storage(Need to insert TF card) and uploading to cloud are available(Need to buy cloud space);

III. Appearance

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IV. Descriptions:

1. **WiFi antenna**;
2. **Solar panel:** Charge the main unit; please install it in places under direct sunlight.
3. **HMD (Human Motion Detection) sensor:** When a person or a moving object is moving in front of the device, a trigger signal will be generated and sent to the main unit;
4. **White-light source:** Fill light to the camera when the light is insufficient at night, and at the same time in the induction street light;
5. **Infrared light:** If you do not want the white-light source, you may then manually adjust to infrared light for light filling;
6. **Lens:** capture image video;
7. **Indicator light**
   * **Yellow indicator:** charging indicator(on yellow charging, off yellow charged full or no-charging);
   * **Green indicator:** charging indicator on while motion detected;
   * **Red indicator:** power on the camera,red indicator on,the camera starts to connect the WIFI network,if it will be off once connected ;
   * **Blue indicator:** The blue light is always on after the camera is connected to the way. network;
8. **Light sensation:** Judge day or night.
9. **Switches:** Switch camera
   Warning: pls do close it nicely to avoid the defective of the waterproof .
10. **Speaker and TF orifice cap: pls do close it nicely to avoid the defective of the waterproof ,which may damage the camera**
11. **Power button:** Press 1s to power on in the shutdown state, and press and hold for 3s to turn off the machine in the power-on state.
12. **TF card slot:** Micro SD(16G/32G/64G) are supported (Please format first before inserting);
13. **Reset:** In the working state, press this button for 5 seconds and release it, then switch to factory mode (red light, with voice prompt);
14. **Microphone**
15. **18650 Lithium battery**

V. Specifications

Effective pixels	2.0MP
Resolution	1920*1080
WIFI protocol	2.4GHz、 IEEE 802.11 b/g/n
Range of induction	0~12m/120°
Coverage	0-15m/90°
Working temperature	-10℃ to 60℃
Working humidity	0%-90%RH
Way of wake-up	HMD (Human Motion Detection) Induction trigger / Remote APP wakeup by mobile phone
dormancy Power consumption	0.008W
Work Power consumption	Daytime≤2W, nighttime≤3W
Grade of waterproof	IP66

VI. Device connection

Please search "Mycam" in the APP store for iPhones and the Google play for Android phones for downloading, or scan the QR code as shown below to install the APP. After successful installation, please set your camera according to the following steps.

1. **APP installation and registration**
After successful installation of the APP, please register and log in your account (note: the area selected must be correct to receive the verification code in registering).

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2. Insert the TF card

First, use a Phillips screwdriver to open the speaker cover at the bottom of the camera, then, insert the TF card (which should be formatted with a computer wherever possible) into the camera's TF card slot, and close the cover and tighten the screws with a Phillips screwdriver (remember to install properly the sealing ring, otherwise the camera will be damaged due to failure to water resistance. Finally, install the wart antenna (for devices with double antenna, please note that the left and right antennas should not be installed reversely).

3. Turn on the camera

(Some models need to be turned on by turning the switch, and some models can be started by installing batteries. For some models, please press the "on" button ⑫);
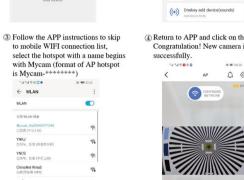

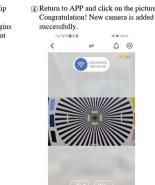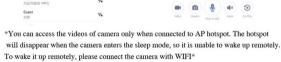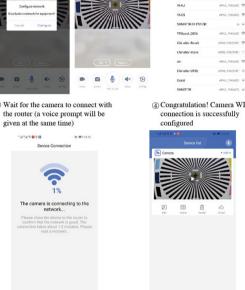After the camera is turned on, the indicator will light green first and then red, with the red light flashing after a few of seconds , and the camera has been in the setting state now (if it is not in this state, please press the Reset button for 5 seconds after camera booting, then release it. Then, the system will be automatically start with a voice prompt).

4. Setting Camera to AP Mode

① Open Mycam APP, click the button to add a new device
② Select "Wi-Fi Camera"

③ Follow the APP instructions to skip to mobile WIFI connection list, select the hotspot with a name begins with Mycam instead of AP hotspot in Mycam********)

④ Return to APP and click on the picture, Congratulation! New camera is added successfully.

*You can access the videos of camera only when connected to AP hotspot. The hotspot will disappear when the camera enters the sleep mode, so it is unable to wake up by remotely. To wake it up remotely, please connect the camera with WIFI.

5. Entering WIFI Mode from AP Mode

① Click "Configure" when APP prompts to configure external network, or click "CONFIGURE NETWORK" to enter WIFI setting

② Select the target Wi-Fi network, enter the correct password (only 2.4G supported), and click "Confirmation setting"

③ Follow the APP instructions to select the WIFI to be configured, enter the correct password, and click "Next step". The mobile phone will give out matching sounds (please turn up the volume of mobile phone to max) for matching with the camera (keep the camera as close to the phone as possible)

④ Wait for the camera to connect with the router in voice prompt will be given at the same time)

⑤ Congratulation! Camera WIFI connection is successfully configured

6. Directly set the camera into WIFI mode (Sound Distribution Network)

① Open Mycam APP, click the button to add a new device
② Select "Onekey add device (sound)"

③ Follow the APP instructions to select the WIFI network, enter the correct password, and click "Next step". The mobile phone will give out matching sounds (please turn up the volume of mobile phone to max) for matching with the camera (keep the camera as close to the phone as possible)

④ The camera will give a voice prompt "Configuration accepted" upon receiving the sound matching instruction, then the router will start matching the camera to WIFI

7. When a camera is found, click "ADD"and name the camera

⑤ Congratulation! Camera WIFI connection is successfully configured

VII. Instructions for use of the camera

1. Device List icon

Edit: query the device ID and rename the device (long press the ID number for automatic copying).
Share: share this device to otherothy entering their APP accounts, and manage the sharers.
Deletion: delete this device from the list.
Cloud : users who have not enabled the cloud storage can enable it with this button, while those who have enabled can play back the cloud storage videos with this button.

2. Message logging

System Message: query the shared messages and payment messages.
Device Message: the alarm records generated by the device can be queried here (the alarm record contains the inductive detection and low battery alarm events).

3. User list

Signout: users can log out or switch to another account here.
My Files: local videos and photos could be viewed with the path of User List - My Files.
Detection New Version: the version numberof APP.
Push Notifications: the push messages for all the devices in the device list can be enabled or disabled uniformly (enabled by default).

4. Instructions for functions of the icons on the real-time video interface

Resolution Switch: click the SD icon to switch to the HD mode.
Screen Switch: click the Full Screen icon to switch to the full screen mode.
Video : click the Record icon to start local recording. Click it again to complete the local recording and generate a video file saved on the mobile phone. View it with the path of User List - My Files.
Screen: Click the Photo icon to capture a picture that could be viewed with the path of User List - My Files.
Hold to talk: press the Press and Speak icon to give a remote voice message and release it to end.
Voice: disabled by default. Click it to enable. The sound near this device could be monitored with this function on.
SD Play: query the video files in the SD card and play back them (video files in the SD card are in HD format).
Battery Icon: display the current remaining power of the battery.
Signal Icon: display the real-time network status of the current device.

5. Settings (click "Settings" in the top right corner)

Basic Setting: the detailed description is provided below;
WIFI Settings: display the WIFI status; available to switch to the WIFI signals
Alarm Recording Setting:
Body Detection Setting: available to be enabled or disabled, and enabled by default (please enable it, otherwise it will not perform the detection recordings).
Alarm Recording Time: 20s / 40s / 60 s for choice, 20s by default(It can also be set according to their needs).
SD Card Settings: capacity inquiry and formatting operation for the SD card. Available for video overwriting (when the space of SD card is less than 200M, the newly generated videos will overwrite the oldest ones), enabled by default.
Time Zone Setting: users could modify the default time zone for the device.
Device Information: read the version number information of the device
Firmware Upgrade: you can click to upgrade to the latest version when there is a firmware upgrade prompt.

6. Basic settings

Switching between Infrared and White Lights(1st) white light / infrared mode. Factory default: white light source
Two different supplementary light sources for night service.
Please choose according to your own needs.(5S60 only has a white light source while without an infrared light source. Please do not select infrared light source, otherwise white light will not start).
Mic: radio volume adjustment for the microphone on the device; 30 by default. Users can adjust according to their needs.
SPK: telephone volume adjustment for the device speaker; 30 by default. Users can adjust according to their needs.
Mirror: horizontal flip of the live video screenshot applicable.
Fliping: vertical flip of the live video screenshot applicable.
Indicator light: the signal indicator could be enabled or disabled according to user needsPlease try not to close it).

VIII. Share and add the camera

Start the app, click "Share Management" at the bottom of the screen; then, click "Share" and enter the recipient's account and click "Share". The camera interface will appear on the home page of the APP after the recipient starts the APP and clicks "Message", "System Message", and "Agree" on the device sharing interface.

IX. Delete the camera

After starting the APP, click "Delete Device" at the bottom of the screen and then click "OK".

X. Play back videos

1. Play back a video: click "SD Card Playback" in the live video interface and set the starting time,then click "Search" and select the video you want to play;

2. View local videos and screenshots: after starting the APP, click "My" and then "My Files" to view the videos and screenshots in the phone;

XI.Matters needs attention

1. This camera is powered by solar panels and lithium batteries, with a standby power consumption of about 50mAh per day. In case of continuous rainy days or a large flow of people at installation site, the camera will be started frequently, which will lead to low battery and cause the camera to enter low power mode. You can wake it up on mobile phone remotely, but no action will be taken by the camera until it has been charged to a certain battery level, when it will resume normal operation. You can also take down the camera and charge it with mobile phone, or add another 5.5W solar panel;

2. Please make sure there is WIFI coverage at installation site, otherwise it may only use AP hotspot mode (unable to view remotely);

3. This camera is a kind of intelligent low-power product, which can be woke up either by mobile APP or by HDM human movement. It will work 25s every time it is woke up, and then enter low power mode automatically.

低功耗太阳能WIFI摄像机

使用手册

本手册图片可能与实物有差异，请以产品实物为准。
本手册适用于 Mycam 系列产品。

郑重提示

请把摄像机安装在阳光直接照射的地点，否则摄像机可能出现电量不足的情况。

声 明

1、本手册所描述的内容可能与您现使用的版本有区别，如果您按照本手册使用时遇到有无法解决的问题，请与本公司技术支持或产品销售商联系。
2、本手册内容将不定期更新，恕不另行通知。

使用注意事项

1、安装
* 本机请注意安装在远离火源的地方。
* 请依本手册指定方式安装，避免安装在会剧烈震动的场所，勿将其它设备放于本机上。

2、运输与搬运
* 本机的包装经过抗震设计和实验，确保在运输过程中不会受到意外损坏，所以在搬运本机时，最好使用原来的包装材料和纸箱。
* 搬运时请轻拿轻放，以免受到震动损坏设备；

一、装箱清单：

序号	名称
1	摄像机主机
2	摄像机安装支架
3	WIFI天线
4	USB充电线
5	镊子（或螺丝刀）
6	使用手册

二、功能介绍

1、太阳能供电，永不断电；
2、HMD（Human Motion Detection人体运动检测），当有人靠近摄像机10米范围内时，1秒内启动摄像机拍摄视频，同时可推送警示信息至手机；
3、支持手机远程唤醒设备；
4、支持WIFI连接（2.4G）；
5、夜间摄像可切换白光和红外灯模式（YN60除外）；
6、感应路灯，有人走近10米范围，路灯会亮，同时启动摄像机（白光灯模式）；
7、本机存储（需要插入TF卡），也可上传云端（需要购买云空间）；

三、外观介绍

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四、描述说明：

1、**WIFI天线；**
2、**太阳能面板：**给主机充电，请安装在阳光直接照射的地方。
3、**HMD（Human Motion Detection人体运动检测）感应器：**当人或运动的物体在设备前运动时，可以产生触发信号给主机；
4、**白光灯：**晚上光线不足时给摄像机补光，同时也是感应路灯；
5、**红外灯：**可以通过APP调整为红外补光灯（YN60除外）；
6、**镜头：**采集图像视频；
7、**指示灯**
   * **黄灯：**充电指示灯（充电时黄灯亮，不充电或电池充满后黄灯灭）；
   * **绿灯：**感应指示灯（感应到人就灯亮）
   * **红灯：**开机后红灯亮（摄像机启动），摄像机开始连接WIFI网络，连接上后红灯熄灭，蓝灯常亮（如果断开，红灯亮）；
   * **蓝灯：**摄像机连接上WIFI网络后蓝灯常亮；
8、**光感：**判断日夜或黑夜。
9、**开关：**用于开关摄像机；
   注意：请务必盖好防水盖，否则不能防水，会损坏设备。
10、**喇叭及卡槽盖：**请务必盖好防水盖，否则不能防水，会损坏设备
11、**开关键：**关机状态下短按一秒开机，开机状态下长按三秒关机；
12、**TF卡槽：**支持16G/32G/64G（插入硬盘卡格式化）；
13、**复位键：**在工作状态下长按摄像键5秒钟，即切换成出厂模式（红灯亮，同时有语音提示）；
14、**麦克风；**
15、**18650锂电池；**

五、规格参数

有效像素	200 万
分辨率	1920*1080
WIFI 协议	2.4GHz、 IEEE 802.11 b/g/n
感应范围	0~12米/120°
拍摄范围	0-15米/90°
工作温度	-10℃/60℃
工作湿度	0%-90%RH
唤醒方式	HMD（Human Motion Detection 人体运动检测）感应触发/手机远程 APP 唤醒
待机功耗	0.008W
拍摄功耗	白天≤2W，晚上≤3W
防水等级	IP66

六、设备连接

苹果手机请在应用商店 Store、安卓手机请到应用商店里面搜索 "Mycam" APP 下载安装，也可以扫描下面的二维码安装 APP，安装成功后请根据以下步骤设置摄像机。

1、**APP安装和注册**
安装好APP，请注册登录个人账号（注：注册时所选地区必须正确才能收到注册验证码）

（使用注意事项及各步骤的中文说明与英文部分对应，内容略。）

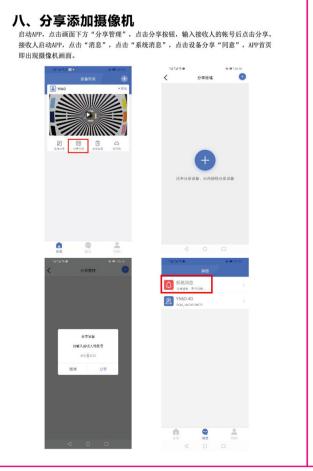### 十一、使用注意事项

1、此摄像机由太阳能板和锂电池供电，每天待机消耗电量约为 50mAh，如果持续阴雨天充电不足，或摄像机安装地点人流量比较大导致摄像机频繁启动造成该摄像机电量不足的现象，摄像机会进入深度休眠，此时摄像机可以手机远程唤醒，但不会感应录像，等到白天摄像机冲充电量一定电量，摄像机自动恢复正常工作模式，也可以将摄像机取下来用手机充电，或加装一块5.5W太阳能面板；

2、在安装过程中请确保摄像机安装地点有 WIFI 网络覆盖，否则只能用 AP 热点工作模式（不能远程查看）；

3、本摄像机属于低功耗智能产品，可以支持手机 APP 远程唤醒，HDM 人体运动触发唤醒，每次唤醒后工作 25 秒会自动进入休眠状态。