户外运动摄像眼镜
HD Sport Sunglasses Camera

使用说明书

在使用本产品前，请务必先仔细阅读使用说明书并妥善保管。
在充分理解内容的基础上，正确使用。
以下设计及规格如有变更恕不另行通知。
Please read through this user manual before using the product and keep the manual for future use.
This manual is for reference, any later alteration of technical specification and product appearance are without further notice.

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一、安全注意事项

使用摄像眼镜前，请仔细阅读以下安全注意事项：

- 请按照说明书指示正确操作摄像眼镜；如非法操作可能会导致内部元件损坏。
- 请勿摔落或撞击本产品，否则容易导致内部组件损坏。
- 为了安全考虑，此产品及其附件尽量远离孩童或动物可及之处，以避免意外发生。
- 请勿将本摄像眼镜长时间置于潮湿或多尘的环境中，可能会导致漏电引起火灾。
- 请勿将本摄像眼镜长时间置于高温状态，如暴晒，可能会导致摄像眼镜外壳和内部元件受损。
- 为发挥电池最大功效，我们建议您在0-40度温度下使用。
- 插拔内存卡前请确保摄像眼镜处于关机状态，以免导致卡或存储数据被损坏。
- 摄像眼镜在使用一段时间后温度升高，属于正常现象。
- 在使用时请勿摸镜头，以免影响拍摄效果。
- 请用吹风机（专门的镜头吹风设备）清洁镜头或使用专门的擦镜布旋转擦拭镜头，清洁表面指印或灰尘。

I, Precaution

Pls be well noted with the following guidelines before you use this camera,

* Pls refer to manual instruction and operate the camera correctly. Illegal operation may cause damage to camera internal components.

* Do not fall or hit the camera, it may damage the internal components.

* For your safety, please keep the camera from the children and animals, in order to avoid accident

* Do not place the camera in a damp or dusty location for extended periods of time. This may cause a fire or an electrical shock.

* Do not leave the camera in places exposed to extremely high temperatures, such as under direct sunlight for extended periods of time. This may affect the camera housing and internal components

*We recommend using batteries in temperatures between 0℃ to 40℃.

Turn off the camera before removing the memory card, in case of the damage of card or storage data.

* The temperature rise is normal after using the digital cameras for a long time

*Do not touch the lens during using the camera, so as not to influence the photography effect

* Please use the air blower (special lens blowing equipment) to clean lens or use special lens-cleaning cloth to clean fingerprint or dust on the surface.

二、产品附件

说明书
USB 线
充电器
遥控器
眼镜片
镜片布袋
皮包

II, Accessories

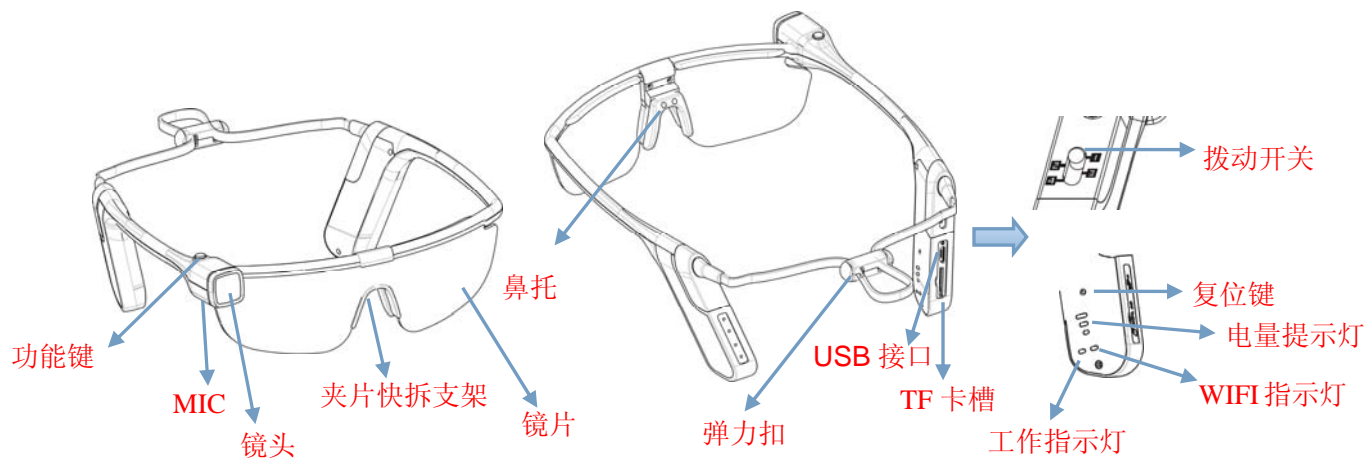User manual
USB cable
AC charger
Remote controller
Eyeglasses
Cloth Bags
Carry case

三、外观功能介绍

1、各部件介绍

III, Operation Interface Introduction

1. Interface introduction

功能键 Function key
MIC   Microphone
镜头   Lens
夹片快拆支架 Quick release holder
镜片 Eyeglass
鼻托 Nose support
弹力扣 Elastic clasp
USB 接口 USB socket

TF 卡槽 TF card slot
拨动开关 Slide switch key
复位键 Reset key
电量提示灯 Battery indicator

工作指示灯 Working indicator
WIFI 指示灯 WIFI indicator

2、按键功能介绍

功能键：开/关机、格式化、遥控配对、摄影。

拨动开关　　1.打开 WIFI 功能

2.关闭 WIFI 和遥控功能

3.打开遥控器功能

4.打开 WIFI 和遥控功能

温馨提示：当拨动开关在 1 档时，工作指示灯为绿色长亮，WIFI 指示灯为红色长亮。
当拨动开关在 2 档时，工作指示灯为绿色长亮，WIFI 指示灯熄灭。
当拨动开关在 3 档时，工作指示灯为绿色长亮，WIFI 指示灯熄灭。
当拨动开关在 4 档时，工作指示灯为绿色长亮，WIFI 指示灯为红色长亮。

2. Function keys introduction:

Function key: Power on/off、Format、Remote control pairing、Record

Slide switch key: Switch 1. WIFI Mode (Open WIFI function)

Switch 2. OFF Mode (Shut All functions)

Switch 3. Remote mode (Open remote control function)

Switch 4. WIFI and Remote mode (Open both WIFI & remote control function)

Memo：

Slide to Switch 1: Green working indicator keeps on, WIFI Red indicator keeps on.

Slide to Switch 2: Green working indicator keeps on, WIFI Red indicator is off.

Slide to Switch 3: Green working indicator keeps on, WIFI Red indicator is off.

Slide to Switch 4: Green working indicator keeps on, WIFI Red indicator keeps on.

3、开/关机

1. 开机：按住功能键 3 秒，工作指示灯为绿色长亮，马达震动一次，此时摄像机开启并进入待机状态。
2. 关机：在开机状态下按住电源键 3 秒，马达震动一次后工作指示灯熄灭，此时摄像机进入关机状态。

3. Turn on/off the camera

(1), Turn on

Long press the function key for about 3 seconds, camera vibrates once and turns on, the working indicator gree light keeps on.
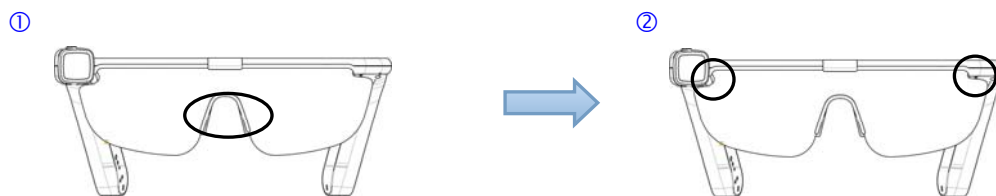
(2), Turn off

Long press the function key for about 3 seconds, camera vibrates once and turns off, the working indicator gree light is off.

四、眼镜片的安装说明

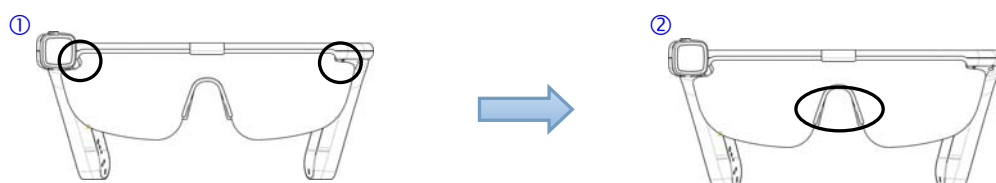眼镜片的安装:先拉下夹片快拆支架把镜片的中端放入固定，再把靠眼侧的一端放进去，再把另一端靠眼侧的一端放进去卡住完成镜片的安装；如图所示。

IV. Installation of Eyeglasses

As shown in below image, Pull down the quick release holder and put in the eyeglass from the middle, lock one side of eyeglass into slot, and continue to place another side into slot till the whole eyeglass is firmly locked.

眼镜片的拆换： 先拉下眼镜片两端靠眼侧的，再拉下夹片快拆支架后方可取出镜片；如图所示。
Remove the eyeglass: Release firstly from both ends, then pull down the quick release holder and take out.

温馨提示：黄色眼镜片：晚上配戴可提高视觉效果。
透明眼镜片：在阴天，下雨天 不会影响到使用者的视觉。
茶色眼镜片：能滤除大量蓝光，可以改善视觉对比度和清晰度。
镀膜眼镜片：有效地阻挡紫外线及有害光线对眼睛伤害，时尚感十足。

Memo：
Yellow eyeglass: To improved the visual effect in the night.
Transparent eyeglass: Normal visual effect not affected by Cloudy/rainy days.
Dark brown eyeglass lens: To filter out a lot of blue-ray to improve visual contrast and clarity.
Coated eyeglass: To protect the eyes from ultraviolet and other harmful lights, fashionable design.

五、眼镜摄像机的佩带说明

佩带眼镜摄像机后，先调节鼻托的松紧，再调节弹力扣到合适的位置，如图所示。

V、Sunglass camera wearing adjustment

Wear the sunglass camera, adjust the tightness of nose pads, then fasten the camera rope by moving the Elastic clasp to a suitable position, as below image shown:

六、电池充电说明

当机器电池电量不足时候，接入电脑 USB 线或者充电器可对机器进行充电， 当插入充电器时机器会震动一下后自动开机并且电量指示灯的三个蓝色的 LED 以渐进亮的方式循环亮起，在 3 分钟内没

操作的情况下机器会自动关机，此时充电器指示灯为红色表示正在充电，充满之后充电器指示灯变为绿色长亮。

低电震动提示：当电池电量不足时，马达连续震动 3 秒，电池电量指示最下端的蓝色 LED 灯会以 1 S 1 次的频率闪烁，5 分钟内如果不进行充电操作，马达将再次连续震动 3 秒，机器停止录影并保存文件后自动关机.

温馨提示：

①、为了提高充电效率，请在关机状态下进行充电。

②、请确定充电器与电源插头已通电。

③、充电时间需要 2 小时左右。

VI. Battery charging

When camera in low power, you can charge camera via USB cable from PC or charge via AC charger equipped. Plug in AC charger, camera will vibrate once and auto power on, the three blue battery indicators lights up orderly and circularly. If there is no operation within 3 minutes camera will auto off , meanwhile you can see the indicator on AC charger in red color it means camera still under charging. When full charged, the indicator on AC charger turn green and stay on.

Low power warning: When camera in low power, its motor will vibrate for 3 seconds, and the bottom battery indicator will also flick at a frequency of 1 second per time, after about 5 minutes if no charging operation, camera will vibrate again for another 3 seconds, stop recording and save file automatically, and then turn off.

Notice:

a) In order to improve the charging efficiency, please charge the camera under the shutdown status.

b) Please make sure the AC power is turned on when the charger is plugged.

c) Battery full charging time is about 2 hours.

七、插入和取出存储卡

1. 插入存储卡：按正确方向插入存储卡；
2. 取出存储卡
    1) 关闭摄像机电源；
    2) 轻按一下存储卡边缘，存储卡将会自动弹出；
➢ 温馨提示：
    当内存卡为新卡，在第一次使用时请先将新内存卡插入摄像机后进行格式化操作来稳定摄像机的性能。
    请确定存储卡的插入方向，插入方向不正确可能会损坏摄像机及存储卡。
    卡错误或无卡提示：相机开机状态下，按下功能键若相机内无卡/SD 卡损坏或者卡出错则马达会连续振动五次。
●警告：请勿在录制数据期间取出 TF 卡，否则可能损坏已保存的数据和卡

VII, Insert and take out storage card

1. Insert the Card

   Before power on camera, Insert the card according to the right direction

2, Take out the storage card

   1) Turn off the camera power

   2) Press the end of the storage card slightly, card will eject automatically.

Notice:

a) It is recommended to format Micro-SD card on camera before recording.

b) Please mind the inserting direction of the SD card because reversed inserting may cause damage to the camera and the SD card;

c) Card error or no card trip: After power on camera, press the function key, if system detects no card or there is card error, camera will vibrate for 5 times continuously.

●Warning: please take out TF card when recording data, otherwise data saved and TF card may be damaged.

八、时间设置

机器在有内存卡的情况下连接电脑，打开可移动磁盘并建一个文本文档并命名为"time.TXT"，打开"time.txt"后在文本文档上按照年月日时分秒的格式输入当前时间（例如:2014 年 1 月 1 日 9：30 分 00 秒——则输入 20140101093000），一共 14 位数保存退出，

再次开机机器按照设置时间运行。

VIII, Time setting

Connect camera to PC (with Micro SD inserted), open the mass removable disk,and create a .txt file named "time.txt", open the txt file and write down the current time in 14 digits format of "YYYYMMDDMMSS", for example, Current time: Year 2014, 1st Jan, 09Hour:30Minutes:0 seconds, write down "20140101093000" and save the txt file. Power on the camera, the camera will run the time accordingly to the txt file you set.

九、录像操作

1.按键录影：开机后摄像机默认为录影模式并处于待机状态，将摄像机对准你想拍摄的物体，短按功能键，机器震动二次后开始录影，录影时，工作指示灯变为红色并以 1 秒 1 次的频率闪烁。再次短按功能键，机器会震动二次后停止录影，红色工作指示灯会停止闪烁。

2. APP 录影：在智能手机已经连接到摄像机 wifi 的情况下，运行手机 APP 客户端，将摄像机对准你想拍摄的物体，在 APP 界面上，按一下界面上的拍摄键即可进行录像，再按一下界面上的拍摄键即可停止录像。

3.遥控录影：在无线遥控的状态下将摄像机对准你想拍摄的物体，长按 3 秒遥控器的拍摄键即可进行录像，再次长按 3 秒遥控器的拍摄键停止录像。

温馨提示：1.当相机开启 WiFi 功能与手机 wlan 相连接后,相机的功能按键暂时无法进行拍摄。

2. 在遥控配对及相机 WIFI 启动过程中相机的功能按键暂时无法进行拍摄..

3. 当摄像机开启 WIFI 的情况下，在本机上操作时为了稳定机器的性能每次操作需间隔 2 到 3 秒

钟再进行下一次操作。

X, Recording operation

1) Button control: After power on, camera enter standby video mode (default mode), press once the function key, camera vibrates twice and starts recording, the Red working indicator flicks 1 second per time during recording. Press once again the function key, camera vibrates twice again and camera stops recording, the Red working indicator stops flicking also.

2) App control: When camera successfully connected to smart phone via WIFI, open the App and press the the shutter key on the app interface you record what you see. Press again the shutter on app to stop.

3) Remote control: Under the remote control mode, long press the Shutter key for 3 seconds camera start recording, long press the shutter key again for 3 second to stop recording.

Notice: 1. When camera Wifi connected mobile wlan, the function key cann`t record.

2. When remote control is pairing, the function key cann`t record.

3. When wifi is starting up, the function key cann`t record until WIFI Red indicator keep lighting on.

十、拍照操作

1. 在无线遥控的状态下将摄像机对准你想拍摄的物体，短按一下遥控器的拍摄键即可完成一次拍照并同时会自动保存你所拍摄的照片到内存卡。

2. 在手机 APP 界面上切换为拍照，摄像机对准你想拍摄的物体按一下界面上的拍摄键即可完成一次拍照同时会自动保存你所拍摄的照片到内存卡。

XI. Photo operation

1. Remote control: Under the remote control mode, press once the shutter key on controller to take a photo, camera will save the file automatically.

2. App control: switch video mode to Photo mode on your Wifi App, then press once the shutter key on the app interface to take a photo, camera will save the file automatically.

十一、格式化操作

在开机状态下， 长按功能按键不松手， 绿色 LED 会先熄灭，此时不要松开功能按键直到绿色 LED 再次亮起，松开功能按键，此时绿色 LED 会熄灭，红色 LED 以 1 秒 3 次的频率急速闪烁，提醒用户确认或取消格式化操作，在此状态可以进行确认格式化和取消格式化两项操作：

A 确认格式化操作：此时再次长按功能按键直到绿色 LED 亮起，再松开按键，机器即进行格式化操作，格式化时红色 LED 以 1 秒 1 次的频率闪烁直到格式化完成， 格式化完成后红色 LED 熄灭，绿色 LED 常亮，机器进入待机模式。

B 取消格式化操作：此时短按功能按键一次可取消格式化操作，取消格式化操作后红色 LED 熄灭，绿色 LED 常亮，机器进入待机模式 。

温馨提示：格式化操作会将您内存卡内所有数据全部删除，请慎重使用。

XI, Format Operation

Under power on status, long press the function key, the Green working indicator turn off firstly, keep holding press function key, wait till Green working indicator lights up again, then release the function key, the green indicator off , the Red working indicator flickers in quick frequency 3 times per second, it alerts that user can take below two options to confirm or cancel formating operation.

a) To confirm formatting: Long press again the function key till the Green indicator lights up again, and release the pressing, camera will proceed the formating, during formating Red working indicator flicks 1 second per time till formating finish, Red working indicator is off, and Green working indicator stay on, camera enter standby mode.

b) To cancel formatting: Short press the function key once will cancel the formatting operation, the Red working indicator is off, and Green working indicator stay on, camera enter standby mode.

Notice: Be noted to carry out the format operation will delete all the data in storage card !

十二、无线遥控功能

遥控配对：**在关机状态下，**将拨动开关拨动到遥控器档位， 然后长按功能按键不松手， 绿色 LED 会先长亮，（要求为 10S）， 10S 后绿色 LED 会以 1 秒 3 次的频率闪烁，表示机器进入遥控配对状态，此时可以松开按键， 此状态保持到配对成功或者失败。

此时同时按下遥控器上的两个按键进行配对，配对成功后机器自动关机，所有 LED 熄灭，再次开机后即可以使用遥控器操作机器。如果配对失败，机器绿色 LED 闪烁状态保持 30 秒不变，30 秒内配对均失败或者未进行配对操作，机器返回到待机模式，绿色 LED 停止闪烁变为常亮。

温馨提示：1.当遥控器进入遥控配对模式中拨动开关及功能按键暂时会无功能，直到遥控配对完成。
2.当拨动开关在第四档，WIFI 和遥控功能同时启动时遥控器遥控有效距离为 1 米。.

XII, RF remote control

Remote controller pairing:

In camera off status, switch camera to remote control function on. Long press function key and keep holding, Green working indicator lights up and stay on about 10 seconds, then quick flickers at a frequence of 3 times per second, it means camera enter pairing status already, you can release the function key now, this pairing status will maintain till pairing success or failure.

At this time, press both buttons on remote controller to start pairing,

a) Pairing success: camera will auto turn off and all the indicators off. Power on camera again, remote control function is valid.

b) Pairing failure: Green working indicator keep flicking on about 30 seconds, if continue pairing not succeeded or without any pairing operation within this 30 seconds, camera will return to standby status, Green indicator stop flicking but keeps on.

Notice: 1. When remote control is pairing, the function key and Slide switch key cann`t use, until pairing successed.

2. When Slide switch key to the Switch 4(WIFI and Remote mode), the remote control can control 1M.

红蓝双色指示灯   拍摄键

查询键

十三、遥控器说明

按键说明：
1 双色指示灯
. 2.查询键   3.拍摄键

按键功能说明:
1.查询键：短按，可查询当前摄像机工作状态。
2.拍摄键：短按进行拍照， 长按 3S 开始或停止录影.
3.同时按下拍摄键和查询键进入配对模式.

状态查询时：1.摄像机处于待机状态：按一下查询键，蓝色指示灯长亮 3 秒后熄灭。

2.摄像机处于录像状态：按一下查询键，红色指示灯会以 1 秒 1 次的频率闪烁 5 秒后熄灭。
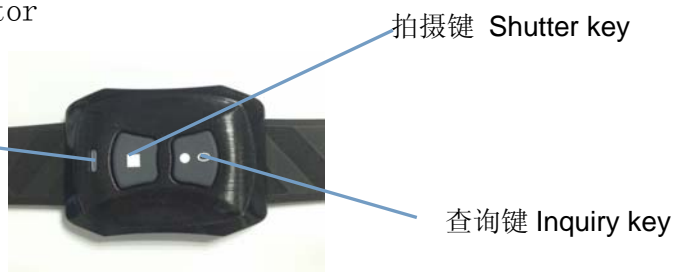
3.摄像机处于关机状态：按一下查询键，红色指示灯长亮 3 秒后熄灭。

配对操作时：1.配对中：同时按下查询键和拍摄键，紫色指示灯会以 1 秒 1 次的频率持续闪烁直到配对成功或者失败。

2. 配对成功：紫色指示灯会长亮 3 秒后熄灭。

3. 配对失败：紫色指示灯会在配对后熄灭。

开始录像：长按按 3 秒拍摄键，红色指示灯会以 1 秒 1 次的频率闪烁 5 秒后熄灭。

停止录像：长按按 3 秒拍摄键，红色指示灯会以 1 秒 2 次的频率闪烁 5 秒后熄灭。

拍照操作：短按一下拍摄键，蓝色指示灯会闪烁一次表示拍摄一张照片。

XIII. Remote control Description

Key description: 1. dual-color indicator

2. Inquiry key   3. Shutter key

拍摄键 Shutter key

双色指示灯 dual-color indicator

查询键 Inquiry key

Key functions description:

1. Inquiry key: short press, you can check the present status of camera (see below remote control indicator status explanation) .

2. Shutter key: short press to take photo, long press for 3 seconds to start/stop recording.

3. Pressing the inquiry key and Shutter key simultaneously to enter Pairing operation.

Camera status inquiry :

1) Camera in standby status: Press once inquiry key, blue indicator lights on 3 secs then off.

2) Camera in recording status: Press once inquiry key, red indicator flickers 5 secs at frequency of 1 time/sec

3) Camera in off status: Press once inquiry key, red indicator lights on 3 secs then off.

Pairing Operation:

1) Pairing processing: Press both inquiry key and shutter key, the Purple (mixed Blue&Red) indicator flickers at frequency of 1 time/sec until pairing   success or failure.

2) Pairing success: Purple indicator light on 3 secs then off.

3) Pairing failure: Purple indicator light off after pairing.

Shooting Operation:

1) Start recording: Long press shutter key for 3 seconds, red indicator flickers 5 secs at frequency of 1 time/sec.

2) Stopt recording: Long press shutter key for 3 seconds, red indicator flickers 5 secs at frequency of 2 time/sec.

3) Take photo: Short press shutter key , blue indicator flickers 1 time means 1 photo taken at a time.

十四、WIFI 功能

　　相机开机后将拨动开关拨动到 WIFI 功能开启档位，此时 WIFI 指示灯开始以一秒两次的频率闪烁直到长亮表示 wifi 功能完全开启。打开手机设置找到 WLAN 设置打开后，连接名字为 **Wearcam** 的网络，连接后输入默认密码 1234567890 并确认连接（更改 wifi 名称或密码请参照"使用电脑查看文件"）

　　此时打开手机已安装好的 APP 客户端可以预览到摄像机的影像，并且在手机上可以进行远距离拍照和录影操作，以及设置相应的摄影分辨率、拍照图片大小。

注意：在使用此功能前，在您的智能手机上从 Appstore(ios)或 Google play(安卓系统)下载安装 Wearcam 应用程序

➢　温馨提示：①、当电量只有一格电的低电状态时，wifi 功能不能启动。

　　　　　　　②、只有在已插入内存卡的情况下才能使用 wifi 功能。

　　　　　　　③、在连接电脑的情况下 wifi 功能不能使用。

　　　　　　　④、在手机已经连接机器的 wlan 的状态下，机器本身的功能按键和遥控器的拍摄按键会暂时屏蔽。

　　　　　5、在 WIFI 启动过程中相机的拨动开关及功能按键暂时失效，直到 WiFi 启动完成。

XIV, WIFI function

Power on camera, switch camera to WIFI mode.   The WIFI Red indicator start flickering at frequence 2 time/sec then change to keep lighting on (it meas the WIFI function is ready) , Search the Wlan using your mobile, find network name of "**Wearcam**", connect and enter password :1234567890 and confirm. (If need to change the Wifi default password, pls check below chapter: Browse files connecting to PC)
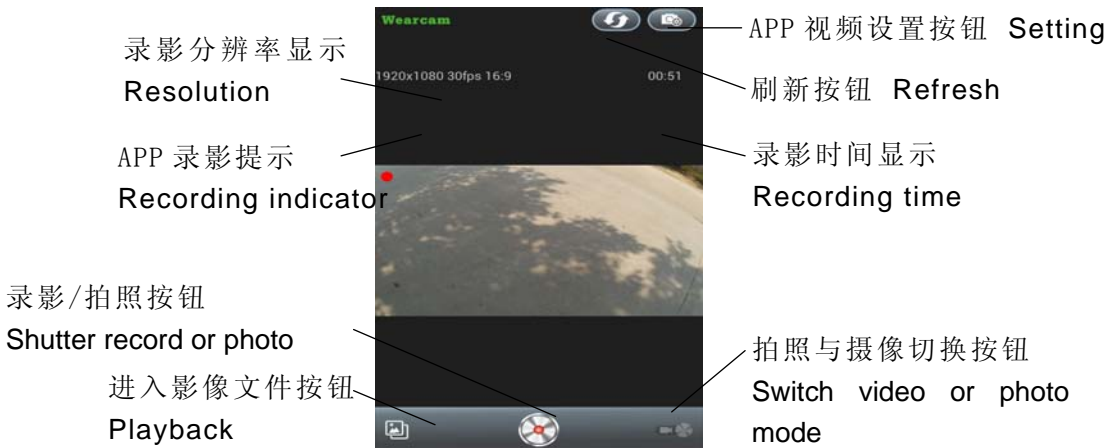
Open APP (pls download APP and install to your smart phone accordingly) to preview the camera's imaging, take video, take photo and also make menu setting directly from mobile to your camera (such as video resolution , photo size etc)

Notice: Before use this fuction, we download and install application of wearcam in your Apple phone(IOS system), or Google play(Android system).

➢　Note: ①、When low power only one grid of battery indicator lights, wifi function not able to start.

　　　　　②、 Only with storage card inserted in camera WIFI function is valid.

　　　　　③、 Connecting camera to PC, WIFI function is not valid.

　　　　　④、 When smart phone connected to camera Wlan successfully, the function key on camera and shutter key on remote controller function will have no function.

5、When wifi is starting up, the function key and Slide switch key cann`t use until WIFI Red indicator keep lighting on.

WIFI APP 界面操作说明：
WIFI APP Interface description:

录影分辨率显示
Resolution — APP 视频设置按钮 Setting

刷新按钮 Refresh

APP 录影提示
Recording indicator — 录影时间显示
Recording time

录影/拍照按钮
Shutter record or photo — 拍照与摄像切换按钮
Switch video or photo
mode

进入影像文件按钮
Playback

按 APP 设置按钮可进入以下设置：

   视频设置
   ● **视频分辨率：**

   1920×1080 30fps 16:9
   1280×720 60fps 16:9
   1280×720 30fps 16:9

   ● **视频质量：**最好/较好/一般
   拍照设置
   ● **照片大小：**10M(3605×2773 4:3) / 16M(4608×3456 4:3)
   ● **照片质量：**最好/较好/一般
   ● **时间戳：**关/日期/时间/时间+日期
   更多设置
   ● **清除缓存：**确定/取消
   ● **软件版本：**1.0
   ● **格式化：**确定/取消

刷新按钮：单击可刷新连接界面
拍照与摄像切换按钮：单击切换相机拍照或是摄像
录影/拍照按钮：击可进行录影或拍照功能
进入影像文件按钮：单击可进入影像文件菜单查看相机录影或拍照文件

Click App setting button to enter Setting:
Video Setting:
Video Resolution:
1920*1080 @30fps 16:9 ,
1280*720 @ 60fps 16:9
1280*720 @ 30fps 16:9
Video Quality: S.Fine/Fine/Normal
Photo Setting:
Size:10M (3605×2773 4:3) / 16M (4608×3456 4:3)
Photo Quality: S.Fine/Fine/Normal

Video Stamp: off/date/time/time+date
More setting:
Clear the cache: Cancel/Confirm
Format the SD card: Cancel/Confirm
Version:FW Ver:1.0

Click to refresh the interface.

click to switch video or photo mode

click to record or take photo.

Click to enter the playback mode ,view camera video or photo files.

十五、使用电脑查看文件

1.将 USB 线连接电脑和机器，打开"我的电脑" 打开"可移动磁盘"选择 DCIM 文件夹打开，再打开对应文件夹，打开查看对应的文件（推荐使用 Kmplayer 播放器）。

2.更改 wifi 的名称和密码（摄像机已经开启过 wifi 功能）：

    a) 通过移动盘进入"MISC"文件夹后以记事本的格式打开"wifi.conf"文件找到段落"SoftAP configuration 再找到字符"AP_SSID= "，修改"="后面的字符可以更改用户名，修改后需要保存再退出。例如：AP_SSID=abc123

    b) 通过移动盘进入"MISC"文件夹后以记事本的格式打开"wifi.conf"文件找到段落"SoftAP configuration 再找到字符" AP_PASSWD= "， 修改"="后面的字符可以更 wlan 密码，修改后需要保存再退出。例如：AP_PASSWD=abc123456.

对电脑系统要求：为了流畅播放全高清 1080P 30fps 和 720P 60fps,此摄像机要求 PC 满足下列规格：

    ●window8/windows7/Vista/XP(SP2)/MAC OSX10.5 或以上
    ●Intel/AMD Dual-Core CPU 或以上
    ●至少 1GB 的 RAM 或以上
    ●标准 USB2.0 端口或以上

温馨提示：当在电脑查看文件时发现文件受损时，先把 USB 线拔除后，重启本机器并待机 5 秒后再连接电脑。

XV, Connect to PC to browse files

1) Connect camera to PC via USB cable, open the storage card removeable disk, Open folder"DCIM"and sub-folder to check the relevant files accordingly. (KM player is recommended for playback)

2) Change Wifi name and default password (after WIFI function first used)

    a) Enter removeable disk and open folder "MISC", and open the file "wifi.conf" by using way of the txt format, check the paragraph "SoftAP configuration" and find out the sentence of

"AP_SSID="，　the WIFI name is behind the character "="，you can change any name you want, and then save the file and quit, for example : AP_SSID=abc123

b) Same way open the file "wifi.conf" and check the paragraph "SoftAP configuration" and find out the sentence of "AP_PASSWD= "，　the WIFI password is behind the character "="，change any password you want, and save the file and quit. for example : AP_PASSWD=abc123456

Requirements for computer system: camera requires PC to meet with some parameters below so that it broadcast full HD 1080P 30fps and 720P 60fps.

● Window8/Window7/Vista/XP(SP2)/MAC OSX10.5 or above
● Intel/AMD Dual-Core CPU or above
● At least 1GB RAM or above
● USB2.0 socket Standard or above

Notice: files are discovered to damaged as we check files in computer, please take USB line out, and start off, and standby for 5 seconds, and then connect computer.

十六、技术参数

感应器：	300 万像素 CMOS
分辨率：	1920×1080 30fps 16:9
	1280×720 60fps 16:9
	1280×720 30fps 16:9
图片像素：	1000 万像素/ 1600 万像素
储存器：	TF 卡，最大支持 32G
镜头角度：	140°广角镜头
视频格式：	MP4
图片格式：	JPG
音频：	内置 MIC
接口：	USB
电池：	内置 800mAh 聚合物锂电池
遥控器：	2.4G 全方位无线遥控器(空旷范围可达 50 米）

Technical specification

Sensor:	3 Mega CMOS
Video Resolution:	1080P(1920x1080) 30FPS 16:9
	720P (1280x720) 60FPS 16:9
	720P (1280x720) 30FPS 16:9
Photo size:	10M, 16M
Lens:	140 degree wide angle all glasses lens
External Memory:	Micro SD card slot supports up to 32G
Format:	JPG/MP4
Audio:	Built in MIC
Port:	USB2.0, HDMI
Battery:	Built in 800mAh polymer lithium battery
Remote control:	2.4G all directions (in open areas remote distance can reach 50 meters)

故障排除：

问题	原因	解决方法
相机开机后自动关机	相机电池电量耗尽	接入充电器充电
当相机长振	相机低电	接上充电器充电
当相机第三个蓝色 LED 灯闪烁时	电池低电了	接上充电器充电
按摄影键相机连振 5 下	相机无卡/卡错误/卡满	装卡/格式化卡/转移卡内文件
相机 WIFI 不能启动	相机未装卡/卡错误	装卡/换一张好的卡
相机 WIFI 不能启动	相机低电	接入充电器充电

Troubleshooting:

Problem	Cause	Solving
Automatic shutdown after starting the camera	battery run out	Connect charger for charging
When the camera vibrate in a long time	Lower battery	Connect charger for charging
When the third blue LED light of camera flashing	Lower battery	Connect charger for charging
Press photography camera for vibrating for 5 times continuously	no card in camera / card error / card recorded fully	Install a card or format the card, or transfer files in card
WIFI cannot start off in the camera	no card in camera / card error	Install a card or change the other card in good condition
WIFI cannot start off in the camera	Lower battery	Connect charger for charging

FCC 联邦通讯委员会干扰申明

未明确核准的负责遵守党的变更或修改，都可能导致用户无权操作本设备。

根据 FCC 规则的 15 部分，本设备已经过测试并发现符合 B 类数字设备的限制。此条例的设定是为了给安装过程中可能对周围环境造成伤害提供必要的保护。此设备在使用过程中会产无线电辐射，如果不按照使用说明安装，可能会干扰无线电通讯。然而，不保证，按照特定的安装干扰不会发生。如果该设备会干扰无线电或电视接收，这些干扰是通过打开和关闭设备产生的，用户可以尝试采用以下措施来避免此类干扰：
1、转变接收天线的方向或是重新摆放天线的位置。
2、增大设备和接收器之间的距离。

3、将设备和接收器连接到不同电路插座上。

4、咨询经销商或有经验的无线电/电视技术人员。

此设备符合 FCC 第 15 条条例，请在以下两个前提下使用此产品：

1、此设备不会造成不利的干扰。

2、此设备可以克服可能存在的干扰，包括误操作带来的干扰。

The FCC, the federal communications commission interference

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

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