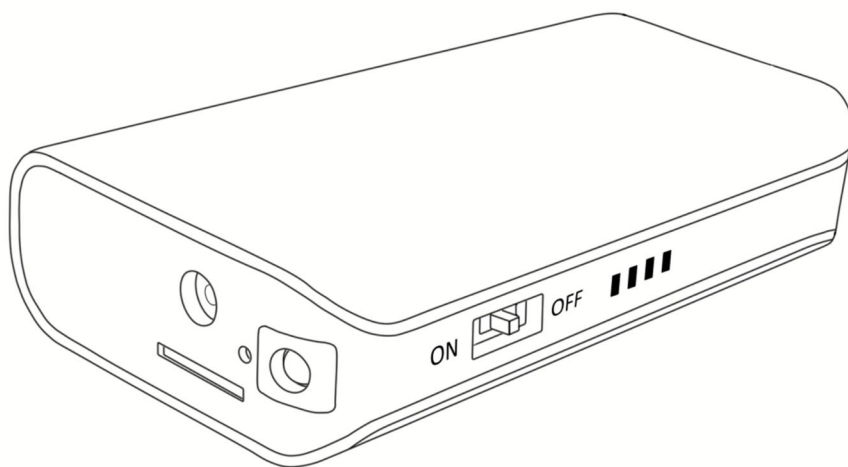




User Manual



The PowerCam consists of two parts of functional unit: power bank unit and DV recorder unit. It can be used to charge the battery of DC-5V products, and also be used to record high definition video and take photos.

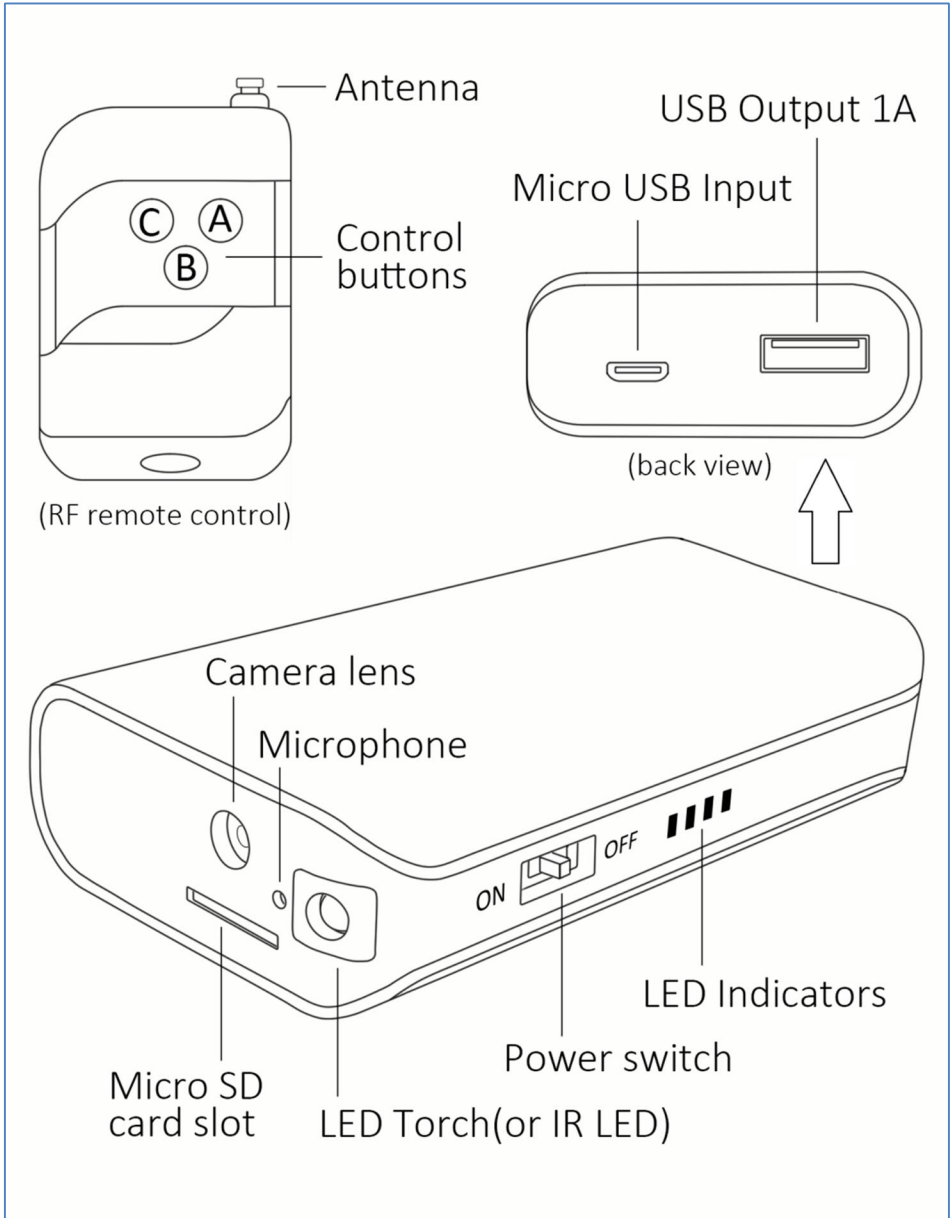
Power Bank Features

- Using high quality Li-ion battery cells, stable performance and long operation life.
- Multiple protection circuit, including overcharge, discharge protection, overload protection, etc.
- Small and lightweight design, easy to carry, to meet emergency charging.

Camera features

- Super image sensor for low illumination video recording, quick light response.
- Full HD 1080P up to 30fps, 720P up to 60fps.
- H.264 compression.
- Support up to 32GB micro SD card.
- RF remote control, easy operation.
- Video recording while charging
- IR LED or LED torch function(optional).
- Suitable for meeting recording, evidence recording, and outdoor sports scenes, etc.
- Easy download to PC/MAC with USB plug.

PowerCam Layout



Power Bank Operation

1. Charging the PowerCam

Using the USB cable to charge the PowerCam, insert one end into PowerCam's Micro USB port, then insert the other end into your computer's USB or adaptor's USB.

If the red indicator turns on, that means the PowerCam is in charge.

Please wait for the red indicator turns off, which means the PowerCam is full of power.

NOTE: When connecting with computer or adapter, it is recommended that the PowerCam is switched off.

2. To Charge Other Devices

The PowerCam fit for charging digital devices with DC-5V:

(1). Connect your device to the USB outlet of PowerCam.

(2). Turn on the power of PowerCam to start charging the device.

When PowerCam's battery close to low limit, the red indicator will light.

DV Recorder Operation

Be sure to insert a Micro SD card before operating the DV recorder.

1. Turning DVR Unit On/Off

Switch on the power of PowerCam, then keep push the remote control button **(A)** 2 seconds will turn DVR unit on. The blue indicator will light.

Keep push the button **(A)** 2 seconds again, the DVR unit will be turned off.

2. Recording Video

Turn on the DVR unit as in step 1. Keep push the remote control button **(B)** 2 seconds will start video recording, the green indicator will flash several times and then turn off.

Keep push the button **(B)** 2 seconds again, the DVR unit will stop recording, the blue indicator will light and the PowerCam is in standby mode.

The video streaming is divided into one file every 10 minutes.

You can recording video while charging the PowerCam, and also can recording video while the PowerCam charging other devoce.

NOTE:

(1). When the battery power is low, the blue indicator will flash for seconds, and then the PowerCam will shut down automatically.

(2). When the memory is full, both the blue and green indicators will flash for seconds, and then the PowerCam will shut down automatically.

3. Taking Photo

Be sure the DVR unit is turned on, short press the remote control button **Ⓑ** once to take a picture, the blue indicator will flash twice to indicate that the picture was taken successfully.

4. Turning IR or LED Torch On/Off

NOTE: This product has two configuration types: IR LED type and white-light LED type. The IR LED can be turned on for recording video in the dark environment, and the

white-light LED can be used as a small torch.

(1). Turn on the power of PowerCam.

(2). Keep push the remote control button **A** 2 seconds to turn DVR unit on.

(3). Keep push the remote control button **C** 2 seconds will turn IR LED or LED torch on; and keep push the button **C** 2 seconds again, the IR LED or LED torch will be turned off.

5. Setting the PowerCam

- 1) Connect the PowerCam with your computer via USB cable, a new removable disk will appear on the computer screen.
- 2) Open the product CD-ROM, there is a file named **Setup.exe**, copy and paste it to the PowerCam's removable disk.
- 3) In the PowerCam's removable disk, double-click to run the file **Setup.exe**, the following setup window will be opened :



- 4) You can set date/time, frame size, video image quality, audio volume, etc. After finishing changing, click the button on the lower left to save the settings. Click the button to restore the factory default Settings.
- 5) After safely removing the PowerCam from the computer and turn on the DVR unit, the settings will take effect.

Caution:

- The PowerCam may become fairly hot during recording – this is normal. To ensure proper cooling do not block the flow of air to the cover of the PowerCam.
- No crash, do not open or knock the PowerCam. Do not expose them to fire, high temperatures, or water.
- We suggest charge with the qualified adaptor, if you find there is bulge or other faulty phenomena on PowerCam or charged device, please stop using it.

Important:

All jurisdictions have specific laws and regulations relating to the use of cameras and voice recorders. Before using any camera and/or voice recorder for any purpose it is the buyer's responsibility to be aware of all applicable laws and regulations that prohibit or limit the use of cameras and voice recorders, and to comply with the applicable laws and regulations.

Specifications:

Dimension	90x49x21mm
Net Weight	82g
Power Bank :	
Input	DC 5V/1000mA
Output	DC 5.2V/1000mA
Battery Capacity	2400mAH
Cycle Time	≥500 times
DV Recorder :	
View Angle	65°
Min. Illumination	1 Lux
Video Format	MOV
Compress Format	H.264
Vedio Resolution & Frame Rate	1920x1080@ max.30fps 1280x720P@ max.60fps
Photo Format	JPG 2048x1536
Storage	Micro SD up to 32GB
USB Interface	USB 2.0
Battery Charge	DC 5V/500mA

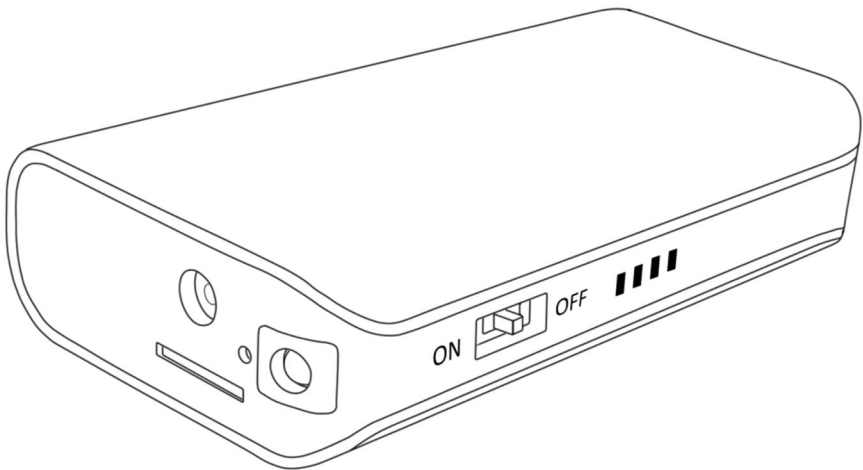
*Specifications are subject to minor change with upgrade and update. Please base on real object.



POWERCAM

Power Bank + HD DVR

使用说明书



PowerCam 是一款移动电源和摄像机合二为一的产品。既可用于给带有 DC-5V 输入的数码通讯产品充电，也可用于全高清录像、拍照。

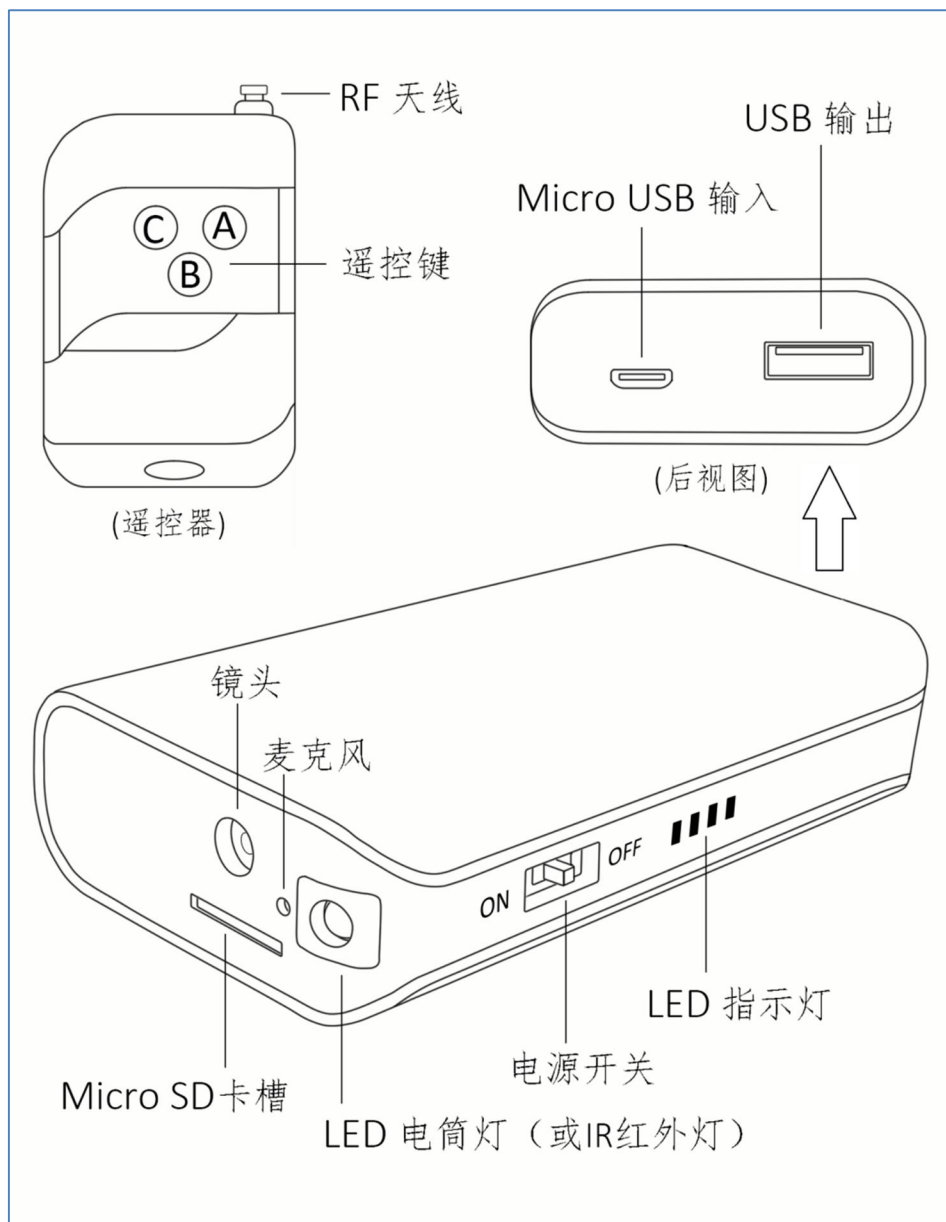
移动电源特点：

- 采用高品质 Li-ion 电芯，性能稳定，使用寿命长。
- 内部控制电路多重保护，包括过充、过放、过载保护等。
- 标准 USB 接口输出，兼容所有 USB 充电设备。
- 小巧轻便型设计，便于随身携带，随时随地满足应急充电之需。

摄像机特点：

- 采用高清晰低照度摄像模组，明暗环境自动适应，使昏暗环境下的录像效果达至最佳。
- 全高清 1080P 录像，最高帧速可达 30FPS；可设置成 720P 高速动态录像，最高帧速可达 60FPS。
- H. 264 视频压缩格式，节省存储空间。
- 最大可支持 32GB Micro SD 卡（外插式）。
- RF 遥控操作，灵活快捷。
- 具有 IR 红外夜拍或 LED 手电照明功能（两种配置版本可选）。
- 可以边充电边录像，也可以边放电边录像。
- 便携式设计，方便在会议记录、采访取证、户外活动等场合使用。
- USB 2.0 即插即用，方便与 PC/MAC 连接。

产品各部件名称



移动电源操作说明

1. 为 PowerCam 充电

使用标配的连接线，一端插入电脑 USB 座或 USB 式充电器，另一端插入 PowerCam 的 Micro USB 插口，开始充电。充电时，红灯长亮；充满电时，红灯熄灭，表示充电完成。

注意：在连接电脑或充电器时，不必把 PowerCam 的电源打开。开关拨到“ON”或“OFF”都可以。

2. PowerCam 为其它数码产品充电

- 1) 把 PowerCam 的电源打开（开关拨到“ON”）。
- 2) 把需要充电的手机等数码设备连接到 PowerCam 的 USB 输出口，被充数码设备上会出现充电指示，表示已对其进行充电。

当 PowerCam 电量不足时，红灯会亮起，此时仍可继续为被充设备充电。直至 PowerCam 电量低至安全下限时，红灯熄灭，停止充电。

摄像机操作说明

在操作摄像机之前，请确认已插入 Micro SD 存储卡。

1. 摄像机开机/关机

把 PowerCam 的电源开关拨到“ON”，长按遥控器 A 键约 2 秒，直到蓝灯亮起后松开，完成摄像机开机。

在开机状态下，长按遥控器 A 键约 2 秒后松开，待指示灯熄灭即已关闭摄像机。

2. 录像

在摄像机开机状态下，长按遥控器 B 键约 2 秒后松开，绿灯闪烁数次后熄灭，开始录像。

再次长按遥控器 B 键约 2 秒后松开，即可停止录像，绿灯快闪后转为蓝灯长亮，进入待机状态。

如需继续录像，请再次长按遥控器 B 键。

长时间连续录像时，每 10 分钟会自动保存一个视频文件。

可以在对 PowerCam 充电的同时进行录像，也可以在为手机等设备充电的同时进行录像。

注意：

- 1) 当存储空间满时，蓝灯和绿灯会同时闪烁数秒，摄像机将在保存视频后自动关机。

- 2) 当电池量不足时，蓝色指示灯会连续闪烁数秒，然后自动关闭摄像机。此时请对 PowerCam 进行充电。

3. 照相

在摄像机开机状态下，短按一下遥控器 B 键，蓝灯快闪数次，完成一次拍照。

4. IR 红外灯或 LED 电筒使用

请留意本产品有两种配置版本，分别配置 IR 红外灯或 LED 照明灯。开启 IR 红外灯可在黑暗环境下进行拍摄；LED 照明灯可做手电筒照明之用。

两种灯的开启和关闭的方法完全相同：

- 1) 把 PowerCam 的电源开关拨到“ON”；
- 2) 长按遥控器 A 键约 2 秒，直到蓝灯亮起后松开，完成摄像机开机。
- 3) 长按遥控器上的 C 键 2 秒，IR 红外灯或 LED 小电筒点亮；再次长按 C 键 2 秒，IR 红外灯或 LED 小电筒关闭。

5. 摄像参数设置

- 1) 用标配的连接线把 PowerCam 连接到电脑 USB 口，数秒后电脑屏幕上将会弹出新增的可移动磁盘标识 REMOVABLE (..)；

- 2) 把本产品光碟中的设置文件（名为 **Setup.exe**），拷贝到 PowerCam 的根目录 **REMOVABLE(..)** 中；
- 3) 在根目录 **REMOVABLE(..)** 中，双击运行 **Setup.exe**，电脑屏幕上会出现如下设置界面：



- 4) 可以在上面设置日期时间、视频参数等，勾选完成后，点击左下角 **Create configuration file** 按钮保存设置。点击右下角 **Default Setting**，可恢复出厂设置参数；
- 5) 把 PowerCam 与电脑断开，重新开启摄像机，新修改的参数即可生效。

注意事项：

- 1) 本产品 在录像时，机体会有一定程度发热，这是正常的。为保证散热，请尽量使本产品在通风良好的环境下使用，勿在使用时包裹住本产品。
- 2) 请勿摔碰或自行拆开本产品。勿将产品置于接近热源、暴晒等高温环境中，以免发生设备故障及安全隐患。
- 3) 请勿将产品置于潮湿的工作环境，产品不具备防水功能，请避免使本产品淋水或暴露在雨水中。
- 4) 请使用符合规格要求的直流电源，避免使用不合格直流电源为本产品的充电。

重要提醒：

本产品须合法使用。各司法管辖区对使用拍摄和录音设备有特定的法律和法规。无论出于何种目的，在使用任何拍摄和录音设备时使用者均有责任严格遵守相关法律法规，不得违反法律法规禁止或限制使用之规定。

产品规格:

产品尺寸:	90x49x21mm
产品重量:	约 82g
移动电源:	
输入电压/电流:	DC 5V/1000mA
输出电压/电流:	DC 5.2V/1000mA
电池容量:	2400mAH
循环寿命:	≥500 次
摄像机:	
镜头视角:	65°
最小照度:	1 Lux
视频格式:	MOV
视频压缩格式:	H.264 (高级版)
视频分辨率/帧速:	1920x1080P @ max. 30fps 1280x720P @ max. 60fps
照片格式:	JPG 2048x1536
存储:	Micro SD up to 32GB
USB 接口:	USB 2.0

(上述参数系实验室测得的平均值, 以实物为准。)