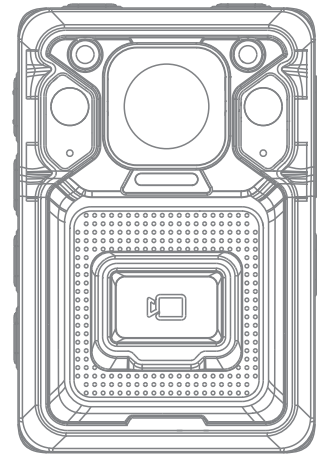

Body Worn Camera User Manual



Model: KP22

FCC STATEMENT :

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.

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

NOTE: 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:

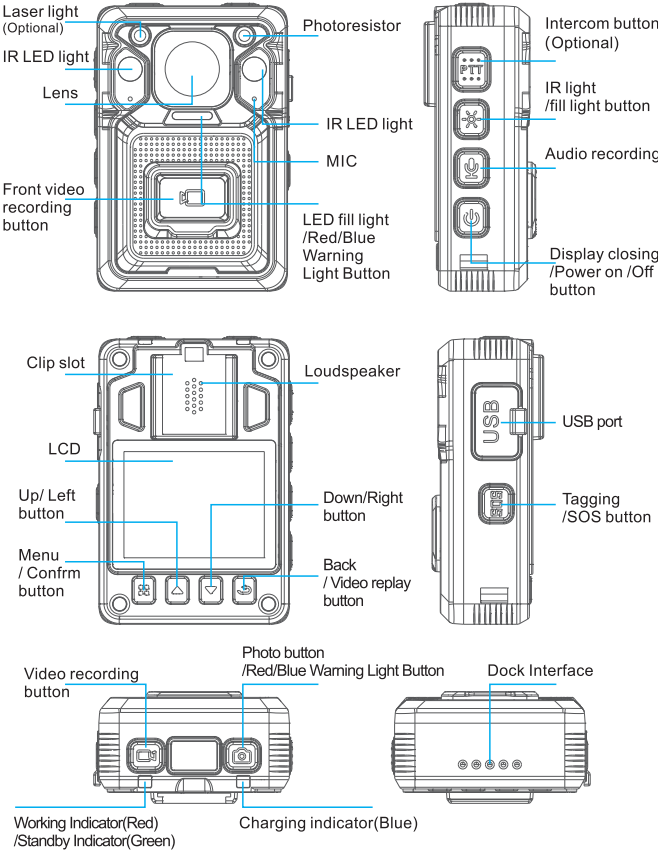
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning statement: The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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OVERVIEW



PARAMETER

Size/weigth/button	
Size	3.32*2.21*1.07 inches
Weight	5.75 ounces
Button	- Front big Record button and top Record button easy operation - Yellow PTT button - Yellow SOS button
Hardware	
Chipsets	Ambarella H22
Indicators	
- 3 color LED indicator for camera status - 3 color LED indicator for battery level - Programmable buzzer - Vibration	
Light	
IR	IR upto to 393.7 inches at 0 lux with visible shape image
Flash Light	90 degrees view angle light source for low light condition can enable/disable by button press
Durability	
IP Rating	IP66
Video/picture/audio	
Coding	H.264/H.265
View Angle	HOV 140 degrees
Video Resolution	1512P30 / 1440P30 / 1080P30 / 1080P60 / 720P30 / 720P60 / 480P30
Video Format	MP4
Picture format	JPG

PARAMETER

Audio Format	AAC
External Camera	
Night Vision	Ultral low light performance & IR LED
Storage	Optional 32GB,64GB,128GB,256GB
Hardware Interface	
Pogo Pin connection	Support dock & go operation
Battery	
Recording Time	1080P30FPS UP to 14Hours
Standby Time	100+ hours (For prolonged periods of non-use, it is necessary to fully charge the device's battery)
Charging Time	4 hours
Pre&post recording	
Pre-recording	5 seconds to 15 seconds varies from resolution settings
Post-recording	5 seconds to 15 seconds from resolution settings
Motion Detect	Support
USB Command	
- all camera settings available under mass storage mode - all camera settings available under USB simple mode	
Mount solution	
Standard mount	360 degrees rotatable crocodile mount
Video Stamp	
Content supported	User ID / Device ID / Date / Time / Geo-tags

BUTTON

Button	Button Icon	Operation	Function
Power Button		Press	Press to turn on/off LCD
		Hold for 3 seconds	Hold to turn on/off camera
REC Button on Top		Press	Start/Stop video recording
		Hold for 3 seconds	Start video recording when camera is off. In preview mode, hold to switch video resolution.
REC Button on Front		Press	Start/Stop video recording
Audio Button		Press	Start/Stop audio recording
Photo Button		Press	Take photo
Infrared Button		Press	Turn on/off infrared LED
		Hold for 3 seconds	Turn on/off white LED flashlight
PTT Button		Holding for 3 seconds	In preview mode,hold to switch vidio resolution
SOS Button		Press	Mark the important video while video recording
		Hold for 3 seconds	Turn on/off the red &blue warning light
Playback Button		Press	Exit to previous interface
		Hold for 3 seconds	Directly playback the latest recorded file.
Menu		Press	Menu; Confirm
Scroll Up /Down Buttons	 	Press	Scroll up or left/Scroll down or right
		Hold for 3 seconds	Zoom in/Zoom out
Reset	 	Hold for 3 seconds	Reset the camera when holding power button & the video record button on the top

FUNCTIONALITIES

1. Power On/Off

Power on: When camera is off, hold  to turn on the camera.

The turn on indication as below:

- Camera status Indicator turn green
- Camera LCD will show boot up logo
- Boot up music
- Camera vibrate

Power off: When camera is on, hold  to turn off the camera.

The turn off indication as below:

- Camera LCD will show turn-off logo, LCD goes black
- Camera status Indicator will turn off
- Turn-off music
- Camera vibrate

Notice: If camera is in recording mode, the video will be stored properly then camera turn off.

Turn on/off LCD: When camera is on, press  to turn on / off the backlight of LCD screen.

2. Video Recording

When camera is in standby mode: If camera is in standby mode (power on but not recording), press  to start recording, press  again to stop recording.

FUNCTIONALITIES

When camera is off: Hold , camera will turn on and start recording automatically, press  again to stop recording.

3. Video SettingIn

preview mode, press , input the right password to enter setting menu, select the first icon (Camera Setting icon) and press  again to go to setting list.

Default password: For general user default password is **000000**, user can only check settings, but can not change settings.

For administrator default password is 888888 user are able to change settings.

1) Resolution

There are seven options to select from:

2688x1512 30P / 2560x1440 30P / 1920X1080 60P / 1920X1080 30P / 1280X720 60P / 1280X720 30P / 848X480 30P

2) Video Quality

There are three options to select from: **S.Fine /Fine /Normal**

3) Photo Size

There are six options to select from:

4M(2688X1512) / 8M(3840X2160) / 12M(4680X2592) / 16M(5344X3000) / 30M(7360X4140) / 40M(8448X4752)

FUNCTIONALITIES

4) H.265 Encoding

There are two options to select from: **On / Off**

H.265 saves over 50% memory space, and improves video quality.

5) Pre-Record

There are four options to select from: **Off / 5 sec / 10 sec / 15 sec**

Camera will record 5sec-15sec of video prior to record button being pressed to start recording.

6) Loop Recording

There are two options to select from: **On / Off**

When loop recording is set with “On”, it provides a way to let camera keep recording when memory space is full, because oldest file will be overwritten by newest file.

7) Post-Record

There are four options to select from: **Off / 5 sec / 10 sec / 15 sec**

Camera will record 5-15sec after record button being pressed to stop recording.

8) Power On Auto-Record

There are two options to select from: **On / Off**

FUNCTIONALITIES

9) Video Length

There are five options to select from: **Off / 2 min / 5 min / 10 min / 15 min**

Video splitter refers to the length of video segments while the device is recording. The minute amount is the length of each video segment before device begins a new video file. This will NOT stop device from recording, it will just split your videos into smaller, more manageable files.

10) Mute Recording

There are three options to select from: **Off / Pre-recording / On**

Audio won't be recorded when mute recording is on.

11) Motion Detection

There are two options to select from: **On / Off**

Camera will detect movements of scenes. Press  , once camera detects the movements, it will start recording, and stop recording until video scene has not changed or moved for over 10 seconds.

FUNCTIONALITIES

4. Photographing

In Preview Mode, single-press  , and the unit will start taking photo similar to a digital camera.

5. Screenshot

To capture picture while video is being recorded, just single- press  .

6. Audio Recording

In Preview Mode, press  , and the camera will start audio recording. Press  again to stop audio recording.

One key audio recording: When camera is off, hold  for 3 seconds, camera will turn on and start audio recording right away. Press  again to stop audio recording.

7. File Tagging

While video is being recorded, press  , there will be a  icon show on the LCD screen, the video will be tagged as important file. Press  to stop recording, video will be saved as important video.

FUNCTIONALITIES



8. Red and blue flashing lights

Press  3S, Activate red and blue flashing lights. Repeat this operation to turn off the red and blue flashing lights.



9. Quick switch from audio/video recording

(1) When camera is video recording, press  to stop video recording and start audio recording. The video will be stored properly then switch to audio recording.

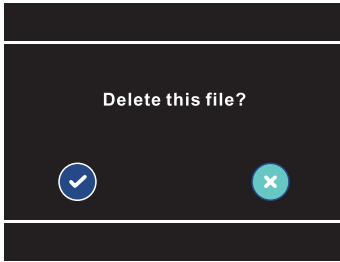
(2) When camera is audio recording, press  to stop audio recording and start video recording. The audio will be stored properly then switch to video recording.

FUNCTIONALITIES

10. Playback

In Preview Mode, press, and find “Video, Photo, Audio”, all files recorded can be browsed.

Press and hold the  key for 3S to delete the file.



11. One Key Playback

In Preview Mode, press and hold to check the last file recorded.

12.Setup Settings

In preview mode, press , input the right password to enter setting menu, select the “General” icon and press again to go to setting list.

Default password: For general user default password is **000000** , user can only check settings, but can not change settings.

For administrator default password is **888888** , user are able to change settings.

FUNCTIONALITIES

1) Language

There are two options to select from: **English, 简体中文** (SimpleChinese)

2) GPS (optional)

There are two options to select from: **On / Off**
GPS positioning can be achieved by turning on GPS, and the GPS location coordinates can be viewed on the video watermark.
The GPS function needs to be used outdoors.

3) Time Zone

You can select your time zone

4) Time setup

Modify date and time

5) Vibration Notification

There are two options to select from: **On / Off**

6) IR Filter

There are four options to select from: **Off / Manual / Auto / During Recording**

Off means to turn off Infrared lights.

Manual means to turn on/off IR manually.

Auto means IR lights will be turned on / off automatically.
During Recording means IR lights will be turned on/off automatically during recording.

FUNCTIONALITIES

7) Auto Power Off

There are seven options to select from: **Off / 30 sec / 1 min / 3 min / 5 min / 10 min / 30 min**

Auto Power Off will only power off the device when it has been in standby mode for the selected interval. This will NOT power off the device during recordings.

8). LCD Auto Off

There are three options to select from: **Off / 10 sec / 30 sec / 1 min / 3 min / 5 min**

Screensaver will turn off LCD display of camera device when it has been in standby mode for the selected interval. This will NOT power off the device.

9) Key Tone

There are two options to select from: **On / Off**

10) Volume

There are ten options to select from: **0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10**

11) Audio Prompt

There are three options to select from: **Off / Beep / Voice**

12) LED Light

There are two options to select from: **On / Off**

FUNCTIONALITIES

13) Dash Camera Mode

There are two options to select from: **On / Off**

Car Mode means camera will power on automatically and start recording after connected to power source.

14) Date Format

There are three options to select from: **DD-MM-YYYY MM-DD-YYYY YYYY-MM-DD**

15) Stealth Mode

There are two options to select from: **On / Off**

Stealth Mode means to turn off all indicators and prompt sound. When it's set with On, press and hold menu button to activate it.

16) USB Mode

There are two options to select from: **Password Mode / No Password**

17) Password Mode

There are two options to select from: **On / Off**

18) Change Password

Default password is **888888**.

19) Change Device ID

Input correct password, and then set the Device ID you would like to have.

FUNCTIONALITIES

20) Change User ID

Input correct password, and then set the User ID you would like to have.

21) Low battery warning

There are two options to select from: **On / Off**

22) Low space warning

There are two options to select from: **On / Off**

23) Format

This operation will format the memory card.

24) Default setting

This action will restore the default settings

13. About Device

In preview mode, press  to enter into setup menu, select the "About" icon and press  again to go to setting list.

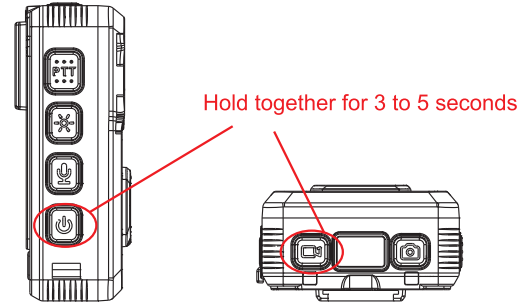
It includes information as below: Location System Info, Total Space, Available Space, Remaining Video, Remaining Audio, Remaining Photos, Battery Status, Hardware Version and Firmware Version.

14. Reset

Resetting camera will power off the camera forcibly, it helps when the camera is down.

FUNCTIONALITIES

Hold  (Record button on the top) and  together for 3 to 5 seconds, camera will reset.



15. Charging

Please charge camera via USB cable and wall charger provided. The battery used in camera is Polymer Lithium type. When camera is fully charged, blue charging indicator will turn off.

There are 2 ways of charging:

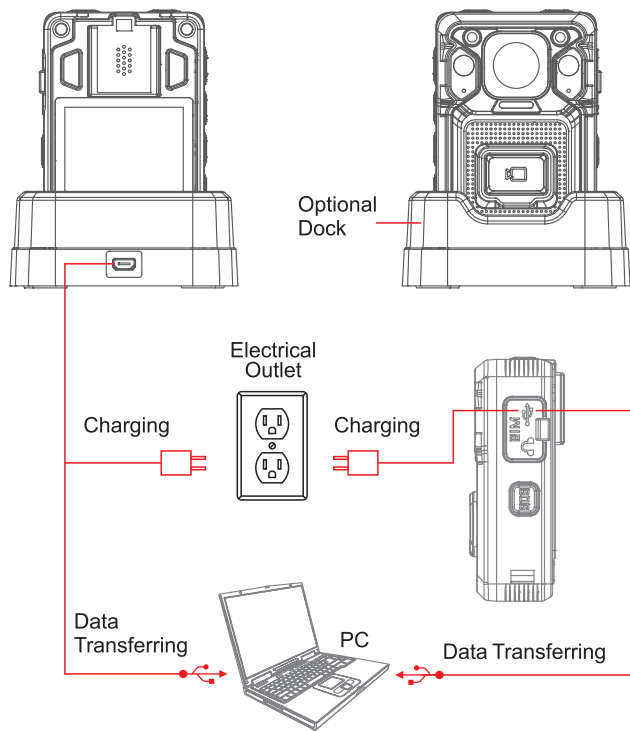
1. Connect camera to computer via USB cable

Since the current of different computer's USB port varies from each other, it is normal if there are circumstances that camera can not be fully charged.

FUNCTIONALITIES

2. Charging by adapter & USB cable

When camera can work normally, while being charged by adapter + USB cable.



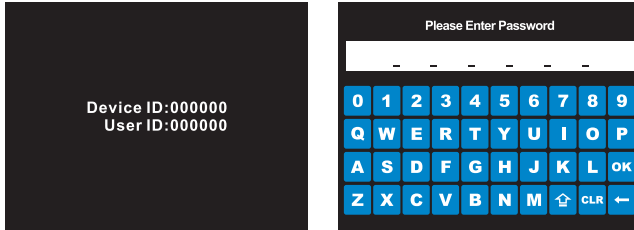
Q&A

Question	Analysis	Answer
Camera can't be powered on	Out of battery	Charge for 4 hours.
	Mainboard Protection	Use Reset button.
Working time of camera is short	Camera was not fully charged	Charging time should not be less than 4 hours.
Data Uploading Interrupted frequently	Front panel of mainframe can't supply enough power	Use the USB port of back panel.
Camera can't be recognized by PC	USB cable issue	Change USB cable.
	Wrong driver	Reinstall driver.

1. Cannot find camera disk on computer after camera is connected to computer.

(1) Check whether the data cable is connected correctly, whether the camera interface shows the option to enter the password or enter the disk interface, if this interface does not appear, you need to re-plug the data cable or replace the data cable to try.

Check if the camera password is on, if there is an input password interface, please enter the default password 888888, or enter your customized password.



(2) to windows pc as an example: open the computer folder——click to view——click to display——check the hidden items.

2. Camera stops recording during the recording process.

- (1) Check the way of wearing and whether there will be mistakenly touching the camera buttons.
- (2) Check if there is still enough space on the camera's memory card. If there is not enough space, you need to delete some unneeded files, or reset the memory card by using the Format function in the camera's menu.

Even if within the warranty period, if the following occurs, certain maintenance costs will be charged.

- (1) The malfunction and damaged caused by incorrect use, the unauthorized repairs and alteration.
- (2) The damage caused by fire, flood, abnormal voltage, other natural disasters and secondary product damage.
- (3) The product malfunction caused by the fall and transportation failures after purchase.
- (4) The product malfunction caused by Not in accordance with the user manual operation.
- (5) The malfunction and damaged caused by the other barriers (man-made factors or external device).