

VigilantEye User Manual



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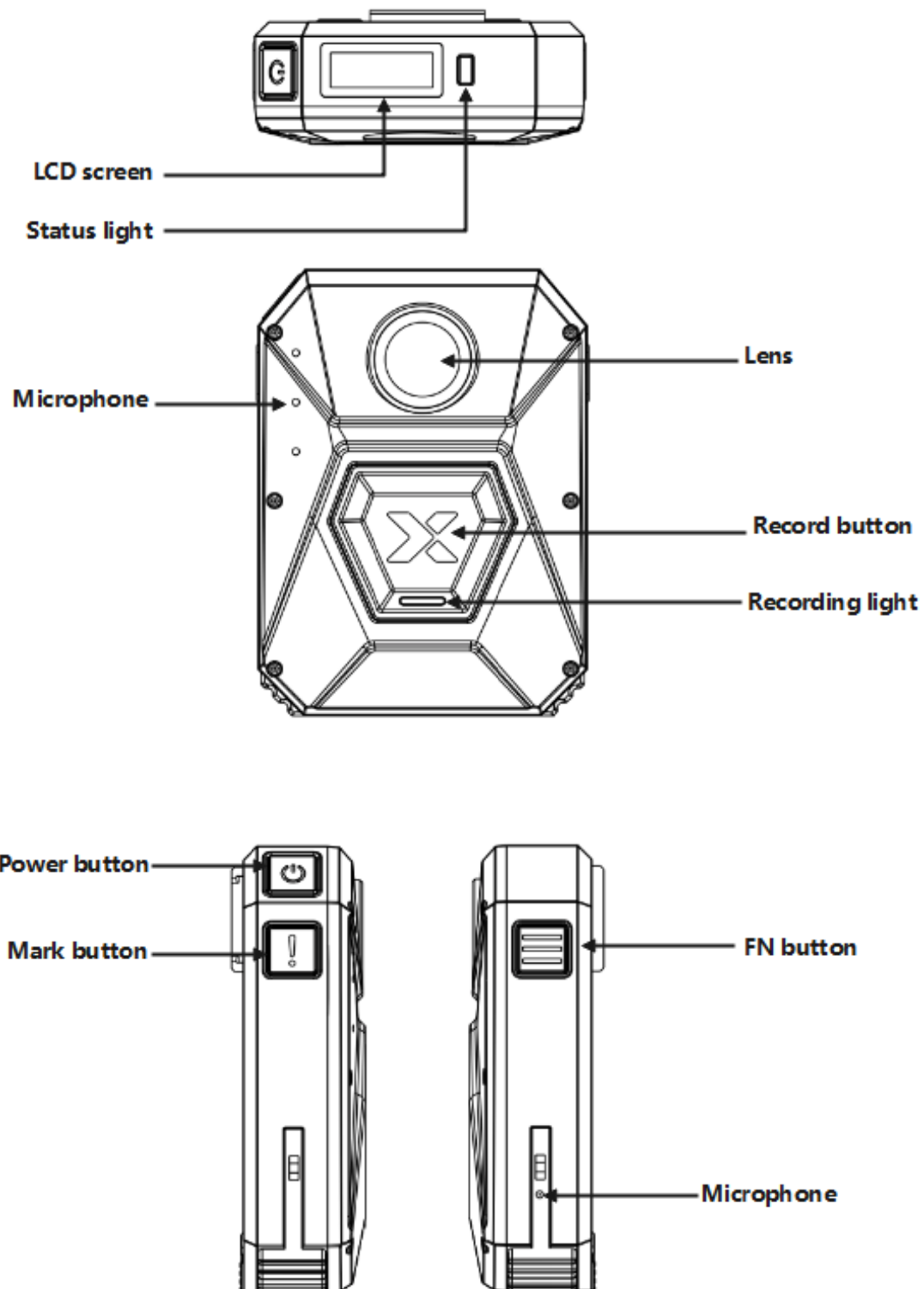
Introduction

The VigilantEye is a body-worn camera (BWC) equipped with audio and video recording functions. The BWC is applicable in various harsh environments of law enforcement, security, military, etc. Designed to be part of the law enforcement solution, the VigilantEye is used for recording cases and collecting evidence, to facilitate case forensics for the police. In the meantime, policeman tracking and alarms are provided, implementing real-time protection for policemen during law enforcement. As the core of the law enforcement system, the VigilantEye supports multiple methods to upload evidence. Policemen can log into the platform and app to view and mark the evidence playback and associate cases.

The VigilantEye can work in standby mode and recording mode. When the VigilantEye changes from the standby mode to the recording mode, it alerts the Vigilant Evidence Management System and activates the alarm recording function to collect evidence. On the Vigilant Evidence Management System, you can also implement monitoring, tracking, and scheduling operations for the onsite situation through the BWC node.

1. Basic status

1.1. Button function



Button function description:

Button	Pressing Mode	Description
Power button	Press	Power on when in the power-off status
	Press and hold (3S)	LCD screen is on display when in the power-on status
Record button	Press	Press the button in the standby status: activating the recording Press the button in the power-off status: powering on and activating the recording
	Press and hold (3S)	Stop recording
FN(function) button	Double-press	Activating (deactivating) mute (During BWC recording)
	Press and hold (3S)	Activating (deactivating) AP hotspot
M(mark) button	Press	Marking videos (during recording)
	Press and hold (3S)	SOS alarm recording (Alarm send to VEMS under 4G)
M+FN	Press and hold (3S)	Activating and deactivating the stealth mode
Resetting button (Behind the battery)	Press/ Press and hold	System reset (Press/ Press and hold are acceptable)

1.2.LED status

BWC LED light, Beep, Vibration reminder status:

BWC status	BWC LED status	Beep	Vibration	Description
Power on	Solid Red	1 times	1 times	Change to Green after power on success
Power off	No	1 times	1 times	
No recording (Standby)	Solid Green	No	No	
Recording	Solid Red The LED on the Record button will be solid Red too.	2 times	2 times	By button or the event trigger
Stop recording by pressing button	Solid Red change to Solid Green	1 times long beep	1 times long vibration	
Recording starts abnormally	No	1 times long beep	1 times long vibration	LCD show recording failed
Mute audio	Solid Yellow	1 times	1 times	Solid yellow until unmute audio
Enable WIFI AP	Solid Blue	1 times	1 times	Solid Blue until disable WIFI
Remote Live view	Flashing Red	1 times	1 times	Flashing Red until

(From the VEMS)	The LED on the Record button will be Flashing Red too.			stop live view
WIFI AP disable Unmute audio Mark video Quit stealth mode	No	1 times	1 times	
Battery Power lower than 20% and every 5% reduction(BWC no plugin the Dock)	No	1 times	1 times	
Enter stealth mode	No	No	No	
BWC NFC pair success	No	1 times	1 times	
BWC NFC pair fail	No	No	No	
BWC voice activate	No	1 times	1 times	
Under stealth mode: Start recording	No	No	2 times	
Under stealth mode: Stop recording	No	No	1 times long vibration	
Under stealth mode: Power off	No	No	1 times	
BWC on the Dock: Charging	Flashing Green: BWC Charging Solid Green: Finished charging	No	No	
BWC on the Dock: Server connection failed	Flashing Red	No	No	The LCD screen will show the server failed connection status

Note: New LED status will replace the current status.

Dock LED status:

LED status	Description
Solid Blue	Dock is power on
Solid Red	BWC plug into the Dock

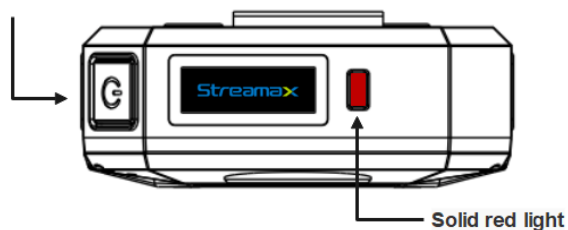
2. Instruction Manual

2.1. Power On

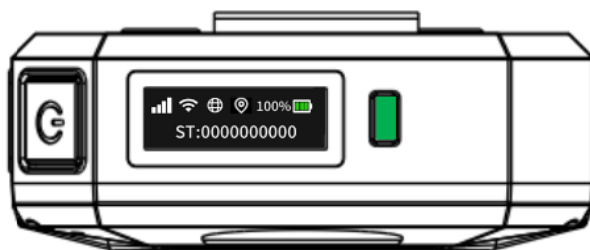
Step 1. Press the power button, the BWC status light turns solid red and the Streamax logo is

displayed on the LCD.

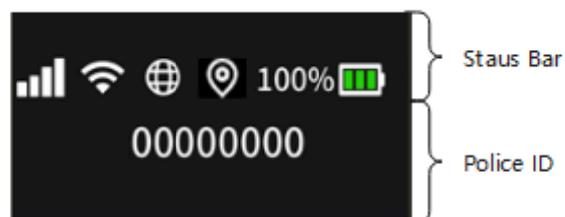
Press power button



Step 2. When the BWC status light turns from solid red to solid green, and the logo on the LCD disappears and changes to the BWC status, the BWC is powered on and in standby mode.



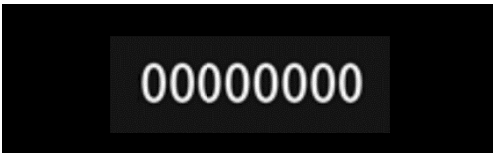
Step 3. In the standby mode, the BWC status and policeman ID are displayed on the LCD (if the BWC is powered on for the first time, no policeman ID is displayed until the ID is configured). On the upper part of the LCD, the status icons for the 4G signal, AP hotspot status, server (platform) connection status, GPS positioning, battery percentage, and battery level are displayed in turn.



Status icons

Icon	Name	Description
	4G connection signals	Able to search for and connect to 4G signals

	No 4G connection	Unable to search for 4G signals (No SIM card, SIM is broken)
	Strong GPS signal	Positioned through GPS
	Weak GPS signal	Weak GPS signal
	No GPS signal	No GPS signals or positioning deactivated
	AP hotspot activated	The AP hotspot function is activated
	AP hotspot deactivated	The AP hotspot function is deactivated
	WiFi Client connect success	WiFi Client connect success
	WiFi Client not connect	WiFi Client not connect
	Connected to the platform	Successfully connected to the Vigilant Evidence Management System
	Not connected to the platform	Not connected to the Vigilant Evidence Management System
	No storage space	The remaining storage space is insufficient for recording
	Little storage space	The remaining storage space is less than 10%
	Battery level	The percentage battery and remaining battery level

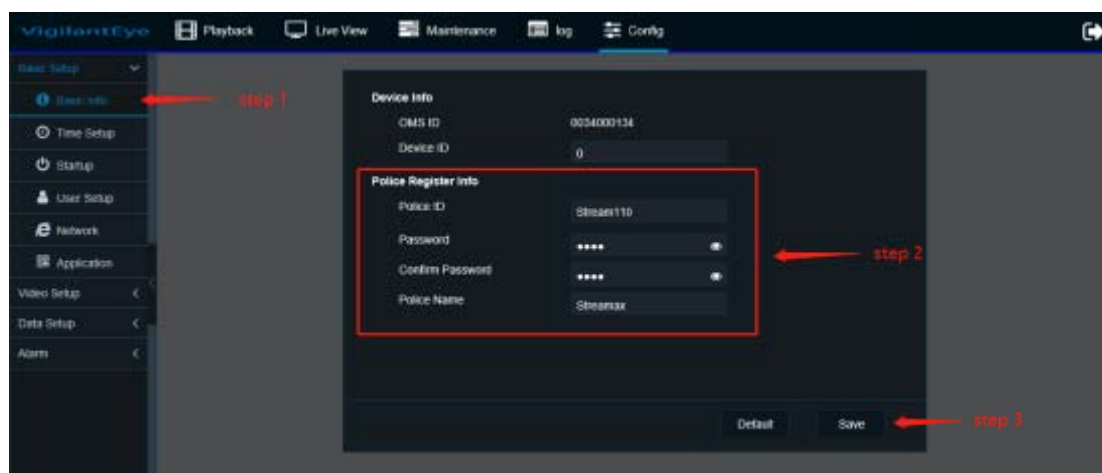
	Policeman ID	The policeman ID bound on the BWC
	Keyword identification	Keyword identification activated on the BWC

2.2. Policeman Binding

Step 1. Register the policeman account on the Vigilant Evidence Management System, and specify key information such as the policeman name and ID (for details, see the user manual of the Vigilant Evidence Management System).

Step 2. Specify the policeman ID on the BWC.

Open the IE browser, log in to the VigilantEye configuration interface by following the steps (see the description about configurations in the IE browser). Enter the configuration menu, click Basic Info on the left pane to switch the interface on the right pane. Then specify the policeman ID and policeman name in the area enclosed in the red box, and click Save.



Note: The ID and name on the BWC must be consistent with those registered on the platform so that the policeman can be bound. (Please refer to Vigilant Eye Management System User Manual for the binding setup on platform)

Step 3. Connect the BWC to the network by inserting it into a dock (refer to section 7.2 Charging the Battery) or through 4G signals so that the BWC connects to the Vigilant Evidence Management System.

Step 4. The platform automatically implements binding based on the policeman information in the BWC. Then the BWC is displayed on the right pane of the platform main page indicating that the BWC is online. The binding is successful.

Note: One BWC can be bound to one and only one policeman at a time.

2.3. Vehicle Binding

2.3.1. Function Description

Each BWC can be bound to a police car. You can place the BWC close to the NFC area of the MDVR for automatic pairing and binding between the BWC and the vehicle. After the BWC is bound, you can upload data through the MDVR on the police car for various linkage operations such as evidence merge and linkage recording activation (for details, see the MDVR manual).

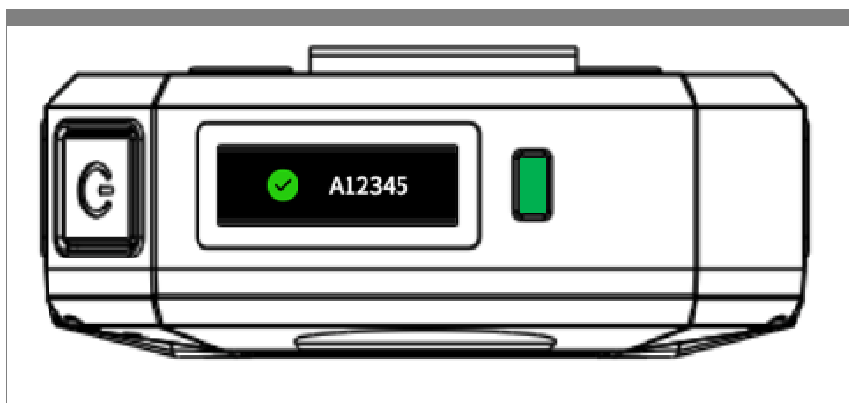
2.3.2. Binding Operation

Step 1. Place the BWC close(0-2cm) to the NFC area of the MDVR as shown below. The MDVR will automatically identify the BWC nearby.

Note: BWC NFC is under the X logo. MDVR NFC reader is under the button.



Step 2. If the MDVR successfully binds the BWC, the license plate number of the vehicle on which the MDVR is installed is displayed on the LCD of the BWC (see the following picture).

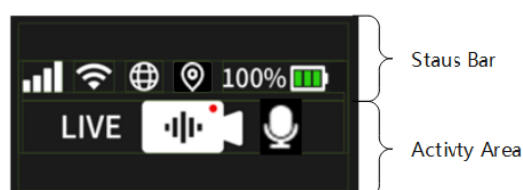


Step 3. The standby status is restored and displayed on the LCD of the BWC after 5 seconds.

Note: The BWC can be bound to the MDVR of any police car in the Vigilant Evidence Management System, but one BWC can only be bound to one MDVR at a time. Before you bind the BWC to a new MDVR, release the binding relationship with the last MDVR.

2.4. Recording Mode

The recording mode can be activated on the BWC in an active or passive manner. For the active manner, you can press the record button to activate the recording mode. For the passive manner, there are multiple trigger modes for different scenarios. When the BWC status is changed to the recording mode, the area on the LCD displaying the policeman ID will display icons indicating the recording mode, and the status light will change accordingly. After the recording mode is activated, real-time monitoring can be implemented on the platform for the BWC through 4G networks.



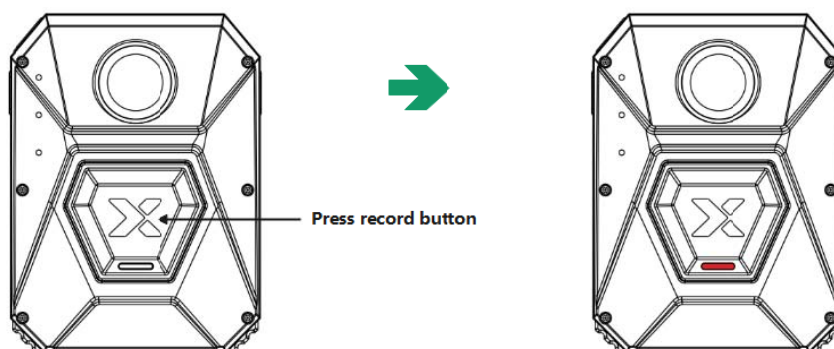
Recording status icons

Icon	Name	Description
	Manual recording	The recording mode activated by manually pressing the record button
	Keyword recording	The recording mode activated through keyword detection

	Intense movement recording	The recording mode activated through user movement status detection
	Linkage recording	The recording mode activated through the MDVR linkage
	Gun drawing recording	The recording mode activated through gun drawing action detection
	Geo-fence recording	The recording mode activated when the BWC enters a specified area
	SOS recording	The recording mode activated by enabling SOS alarms
LIVE	Live view monitoring	Remote real-time monitoring of the onsite situation is implemented on the platform

2.4.1. Manual Activation

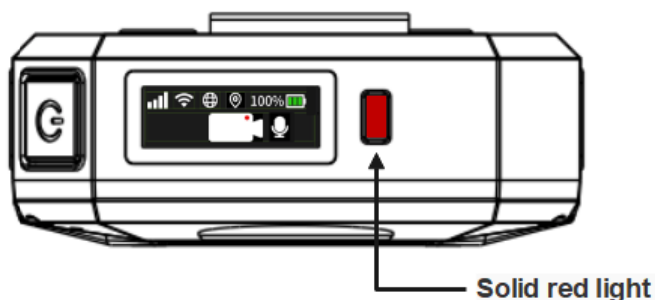
Step 1. Press the record button on the BWC. The recording light turns red, indicating that the recording is successfully activated.



Step 2. When the default recording icon is displayed on the LCD of the BWC (see the following figure) and the BWC produces two short prompt tones, the VigilantEye starts recording.



Step 3. In the recording mode, the status light is solid red. After opening the recording, there will be a short sound prompt with vibration periodic according to the video reminder setting.



2.4.2. Keyword Activation

(1) Function Description

In some scenarios where users may not be able to manually activate the recording mode, the BWC can automatically activate the recording by identifying some key words and report the related status alarms to the platform.

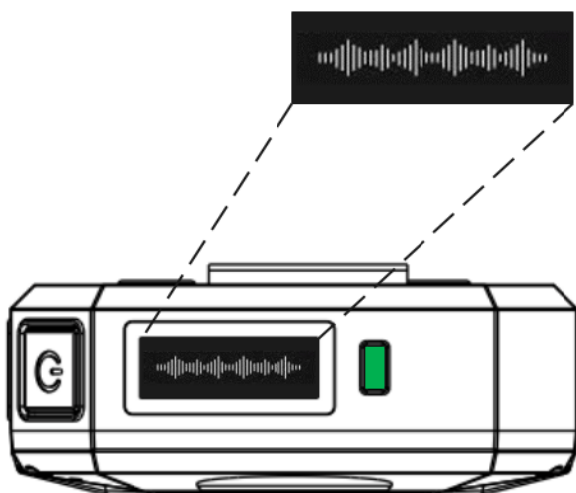
(2) Keyword List

Type	Keyword
Wake-up word	activate bwc
Control words	start recording
	stop recording
	mute audio
	unmute audio
Alarm words	Drop the gun
	Shots fired
	Freeze
	Drop your gun
	Keep your hand
	Put your hand
	Get down on the ground
	Shots fired, give me help
	Shots fired, I have been hit
	Shots fired officer down
	Freeze, stand on the way
	Freeze or I will shot
	Freeze, don't move

	Drop your gun now
	Drop the gun now
	Keep your hands up where I can see
	Put your hands up where I can see
	Put your hands on the ground
	Put your hands on the wheel
	Keep your hands on your head
	Keep your hands on the lap
	Get down on the ground, don't move
	Get down on the ground, drop it
	Get down on the ground, head down
	Get down on the ground, right now

(3) Normal Activation

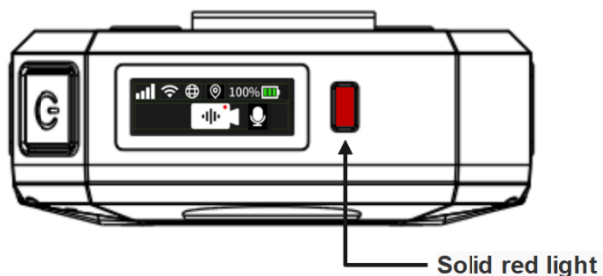
Step 1. Say the wake-up word "activate bwc" so that the BWC will activate keyword identification. The BWC will produce a prompt tone with a vibration, and the icon for keyword identification is displayed on the LCD.



Step 2. When the icon is displayed, say the control word "start recording" within 3 seconds. The BWC will activate the recording according to the command, and the recording icon overlapped with the keyword identification icon is displayed on the LCD (see the following figure).



Step 3. After the keyword recording is activated, the status light turns from solid green to solid red. In the meantime, the BWC produces 2 short prompt tones with vibrations. After opening the recording, there will be a short sound prompt with vibration periodic according to the video reminder setting.



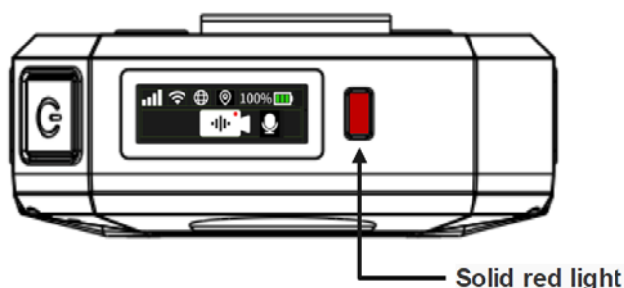
(4) Emergency Activation

Step 1. Say an alarm word (such as freeze and put your hand). The BWC will automatically identify the command.

Step 2. After the keyword identification is successful, the BWC changes to the recording mode, and the recording icon overlapped with the keyword identification icon is displayed (see the following figure). In this situation, if the BWC is connected to the platform through 4G networks, the alarm status will be reported to the platform.



Step 3. After the keyword recording is activated, the status light turns from solid green to solid red. In the meantime, the BWC produces 2 short prompt tones with vibrations. After opening the recording, there will be a short sound prompt with vibration periodic according to the video reminder setting.



2.4.3. Intense Movement Activation

(1) Function Description

To prevent difficulties in forensics in the future due to delayed recording activation in chasing criminals, the BWC will identify intense movements of the user through the movement status identification function, and activate the alarm recording.

(2) Operating Instructions

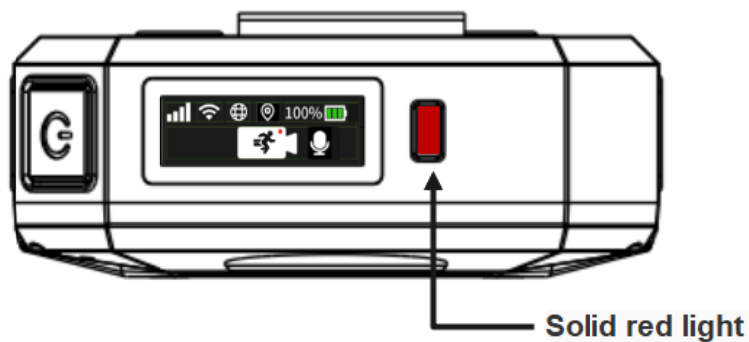
Step 1. The user starts to chase criminals, and the BWC identifies the user movement

status change.

Step 2. The alarm recording is activated, and the recording icon overlapped with the intense movement icon is displayed (see the following figure). In this situation, if the BWC is connected to the platform through 4G networks, the alarm status will be reported to the platform.



Step 3. After the intense movement recording is activated, the status light turns from solid green to solid red. In the meantime, the BWC produces 2 short prompt tones with vibrations. After opening the recording, there will be a short sound prompt with vibration periodic according to the video reminder setting.



2.4.4. Bluetooth Linkage Activation

(1) Function Description

Law enforcement personnel may encounter emergencies when driving a police car in patrol. In this situation, the linkage recording on the BWC can be remotely activated through the MDVR alarm, as long as the BWC is near the police car and is bound to the MDVR.

(2) Operating Instructions

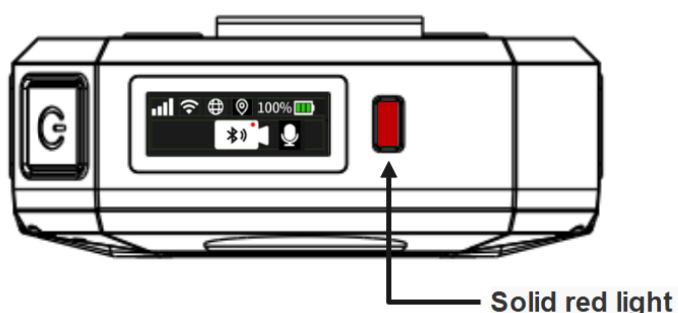
Step 1. After the MDVR alarm, remote linkage with nearby BWCs is implemented through Bluetooth.



Step 2. The MDVR activates recording on the BWCs paired with it in the signal coverage, and the recording icon overlapped with the Bluetooth linkage icon is displayed on the LCD (see the following figure).



Step 3. After the Bluetooth recording is activated, the status light turns from solid green to solid red. In the meantime, the BWC produces 2 short prompt tones with vibrations. Then, a short prompt tone is produced every 5 minutes until the recording is stopped.



2.4.5. Gun Drawing Activation

(1) Function Description

When a policeman draw the gun in an emergency during law enforcement, the holster sensor can detect the movement of the gun and send a Bluetooth broadcast. BWC and MDVR within the broadcast range can be linked to open the video.

(2) Operating Instructions

Step 1. After police officer draw the gun, remote linkage with nearby BWCs is implemented through Bluetooth.



Step 2. BWCs which in the range open the Bluetooth linkage video, the video icon appears in the LCD screen and add the gun alarm icon (shown below)



Step3. When the pull gun alarm video mode is turned on, the status indicator light will change from green to red. At the same time, send 2 short notes with vibration. After opening the recording, there will be a short sound prompt with vibration periodic according to the video reminder setting.

2.4.6. Geo-Fence Activation

This function is under development.

(1) Function Description

Law enforcement personnel need to record videos in real time in high-risk areas. To satisfy this need, you can specify high-risk areas on the platform, and implement linkage activation of the geo-fence recording on BWCs. When the law enforcement personnel enter a high-risk area, recording will be activated on the BWC through linkage. When the law enforcement personnel enter a low-risk area, the recording is deactivated. When the law enforcement personnel leaves a high-risk area to a low-risk area, the recording needs to be turned off manually.

(2) Operating Instructions

Step 1. Specify the geo-fence area on the map of the platform (refer to the manual of the Vigilant Evidence Management System).

Step 2. Enable the related functions of geo-fence for the BWC on the IE browser (refer to the description about configurations in the IE browser).

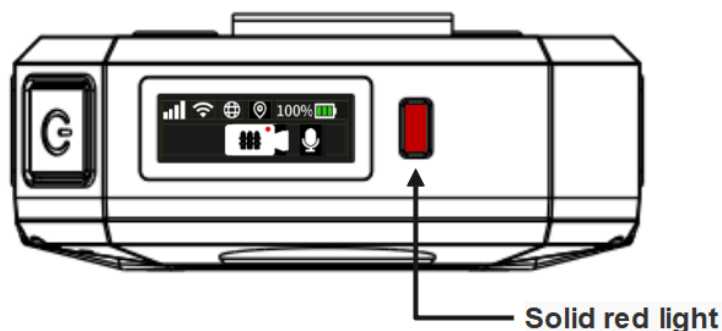
Step 3. The user wears a BWC and enters the specified geo-fence area.



Step 4. The geo-fence alarm recording is activated, and the recording icon overlapped with the geo-fence icon is displayed on the LCD (see the following figure).



Step 5. After the geo-fence recording is activated, the status light turns from solid green to solid red. In the meantime, the BWC produces 2 short prompt tones with vibrations. After opening the recording, there will be a short sound prompt with vibration periodic according to the video reminder setting.



2.4.7. SOS Activation

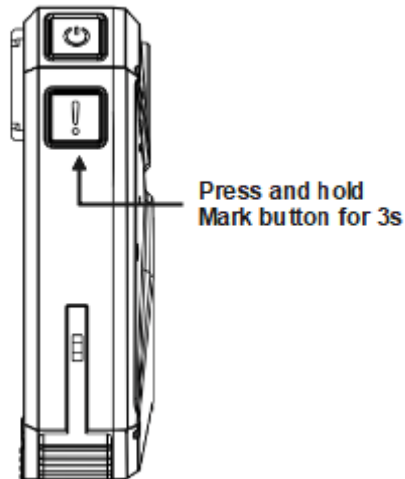
(1) Function Description

During law enforcement, the law enforcement personnel may encounter emergencies in which the personnel need assistance from the platform. In this situation, the BWC can send alarms with the SOS identifier to the platform through 4G networks and activate real-time streaming for the platform, so that manual intervention such as remote

command can be carried out through the platform.

(2) Operating Instructions

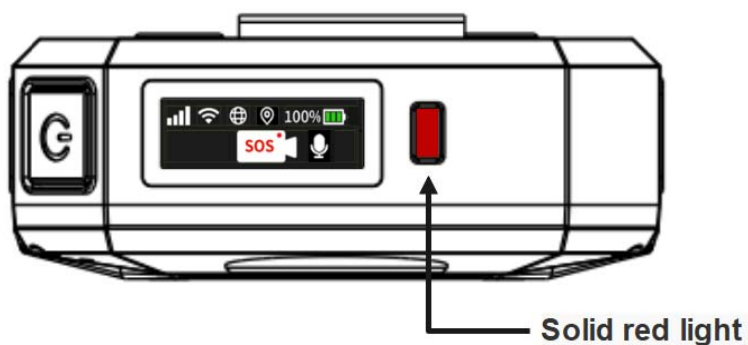
Step 1. Press and hold the Mark button of the BWC.



Step 2. The SOS alarm recording is activated, and the recording icon overlapped with the SOS icon is displayed on the LCD (see the following figure).



Step 3. After the SOS recording is activated, the status light turns from solid green to solid red. In the meantime, the BWC produces 2 short prompt tones with vibrations. After opening the recording, there will be a short sound prompt with vibration periodic according to the video reminder setting.



2.4.8. Live View Monitoring

(1) Function Description

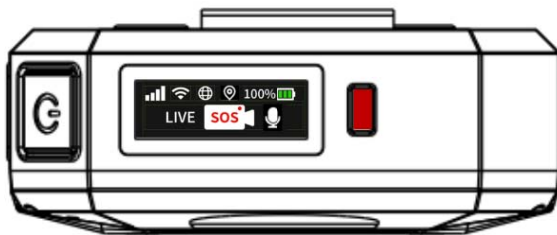
After the recording mode is activated on the BWC, the platform can remotely communicate with the BWC through 4G networks, and monitor the live view through the BWC camera in real time.

(2) Linkage Mode

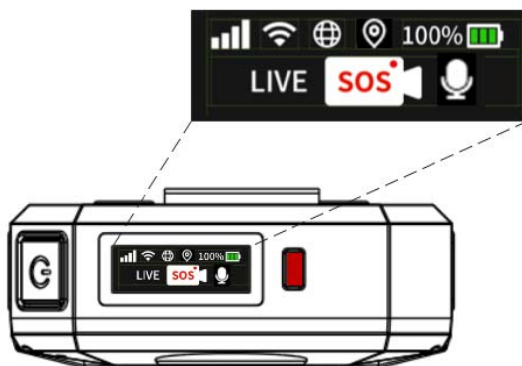
Step 1. The user activates the recording mode using any method (refer to the preceding sections). The BWC will report alarms and upload the positioning information to the platform through 4G networks.

Step 2. After receiving the alarms, specify the BWC for linkage, and then monitor the user's current environment in real time.

Step 3. The status light on the linked BWC turns from solid red to blinking red (flashing until the real-time monitoring ends), and a short prompt tone is produced, indicating the monitoring is started.



Step 4. A "LIVE" icon is displayed on the left side of the LCD, as shown in the following figure. This icon will be displayed until the platform monitoring or BWC recording is stopped.



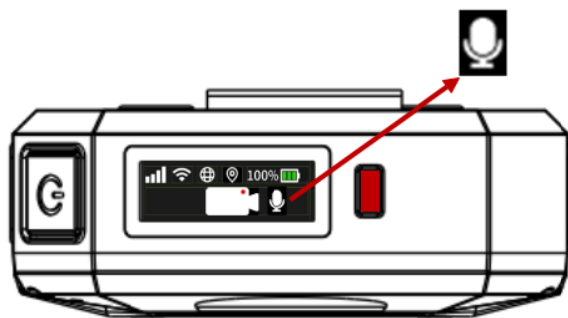
2.4.9. Muting in Recording

2.4.9.1. Function Description

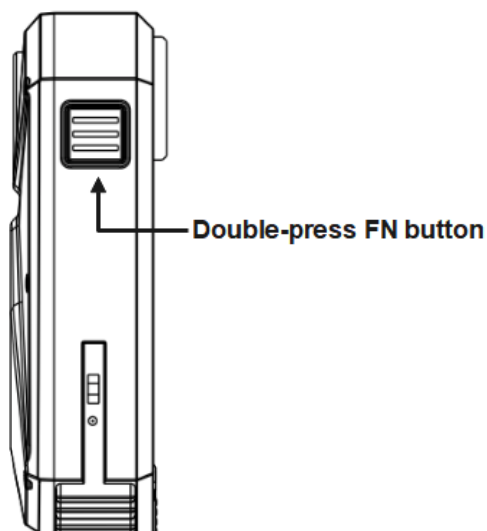
In the law enforcement process, there are some scenarios where personal privacy needs to be protected. In such scenarios, you can manually activate the muted recording on the BWC to protect the privacy of the law enforcement personnel or the object of law enforcement.

2.4.9.2. Manual Activation/Deactivation

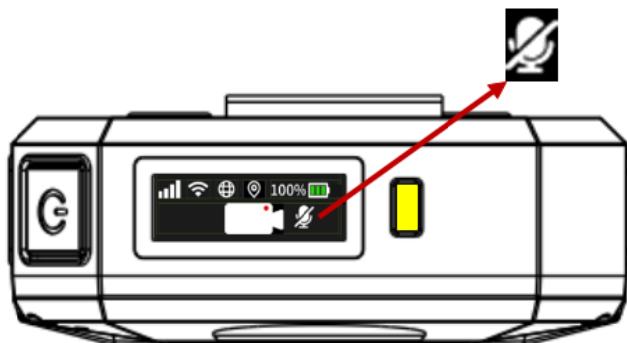
Step 1. After the recording mode is activated, the audio recording function is activated by default. In this situation, the unmute icon is displayed on the right side of the recording icon (see the following figure).



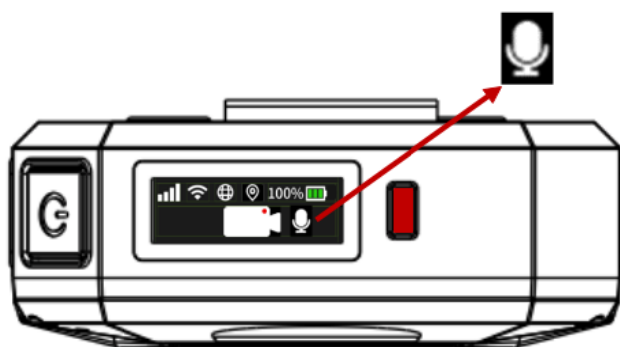
Step 2. Double-press the FN button on the side of the BWC.



Step 3. The status light turns from solid red to solid yellow. The unmute icon is changed to the mute icon on the LCD (see the following figure), indicating that the audio is successfully muted for the recording. The status light remains solid yellow until the muted status is released.



Step 4. To unmute during the recording, repeat step 2 to double-press the FN button. After a short prompt tone is produced and the mute icon is changed to the unmute icon on the LCD (see the following figure), the audio recording is restored.



Note: You can also identify the mute status according to the status light. Solid yellow indicates the mute status, and solid red indicates the unmute status.

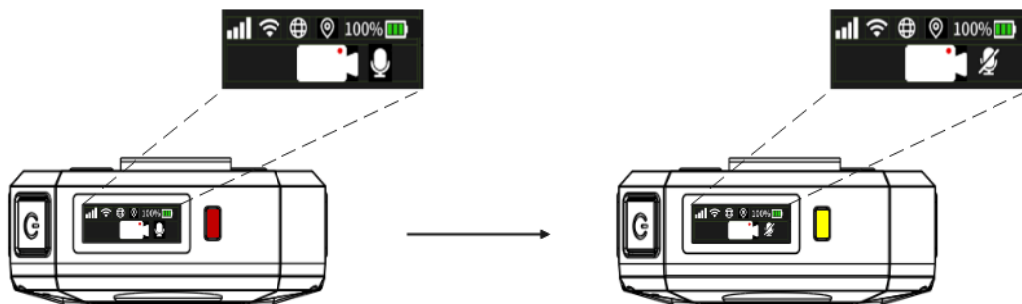
2.4.9.3. Keyword Activation/Deactivation

Mute Activation

Step 1. Say the wake-up word "activate bwc" in the recording mode so that the BWC will start keyword identification according to the command and produce a short prompt tone.

Step 2. After the prompt tone is produced, say the word "mute audio" within 3 seconds. The BWC will mute the audio in the recording according to the command.

Step 3. The audio recording status icon will change to the mute icon on the LCD (see the following figure), and the status light turns from solid red to solid yellow.

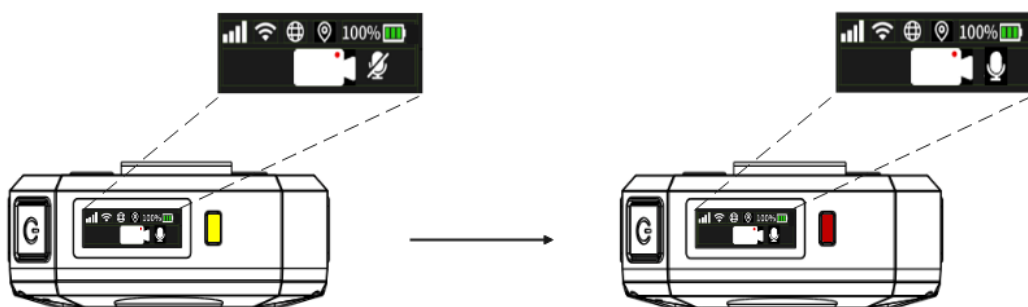


Mute Deactivation

Step 1. Say the wake-up word "activate bwc" in the recording mode so that the BWC will start keyword identification according to the command and produce a short prompt tone.

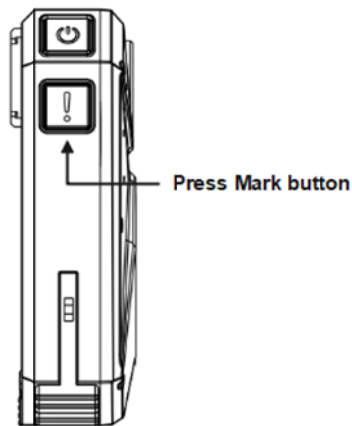
Step 2. After the prompt tone is produced, say the word "unmute audio" within 3 seconds. The BWC will unmute the audio in the recording according to the command.

Step 3. The audio recording status icon will change to the mute icon on the LCD (see the following figure), and the status light turns from solid yellow to solid red.



2.4.10. Recording Marking

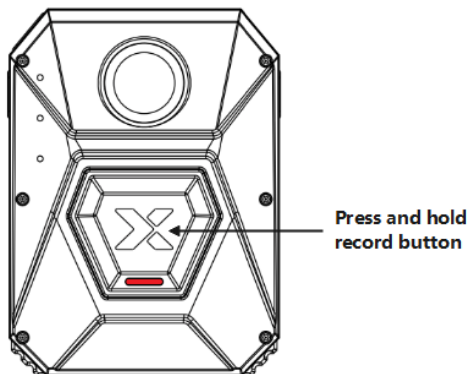
In the recording mode, press the MARK button of the BWC to mark particular time points for the videos. Also, when the BWC activates the alarm, it starts to mark automatically. Marking is convenient for the extraction of relevant evidence.



2.4.11. Stopping Recording

2.4.11.1. Manually Stopping Recording

Step 1. Press and hold the record button.

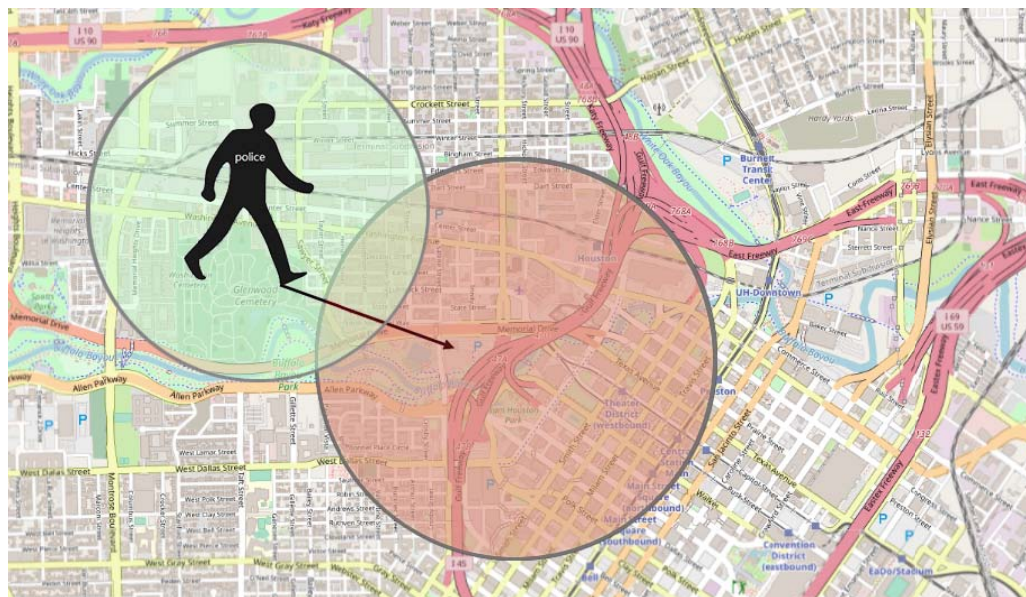


Step 2. Check the BWC LCD. The recording is deactivated and the BWC enters the standby mode in the following scenario: the recording icon and recording status icon disappear and the policeman ID appears, the status light turns from solid red to solid green, and the BWC produces a long prompt tone.

2.4.11.2. Geo-Fence Deactivation

Premise: The geo-fence recording has been activated for the BWC through the IE browser (refer to the manual of the Vigilant Evidence Management System and the manual for IE browser configurations).

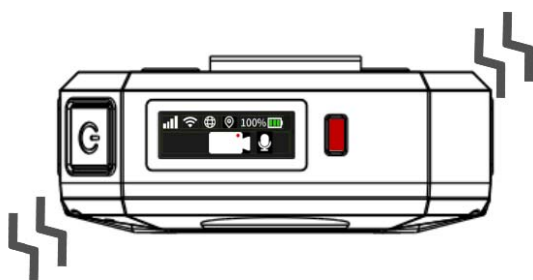
Step 1. The user wears the BWC and enters the geo-fence area for deactivating the recording from a geo-fence area for activating the recording or an unspecified area. (Note: Before the user enters the area, the BWC must be in the recording mode.)



Step 2. After the user enters the area, the BWC stops recording. In this situation, the recording icon and recording status icon disappear and the policeman ID appears on the LCD. The status light turns from solid red to solid green, indicating that the recording is stopped and the BWC enters the standby mode.

2.4.11.3. Keyword Stop

Step 1. Say the wake-up word "activate BWC". The BWC in the recording status produces a short prompt tone.



Step 2. After the prompt tone, say the keyword "stop recording" within 3 seconds. The BWC stops recording and returns to the standby mode according to the command. After the operation is successful, the BWC status light turns from red solid to green solid, and the policeman ID is displayed on the LCD (see the following figure).



2.4.12. Start Recording Failed

If, there is an abnormal situation in which recording mode cannot be started, and the following text prompt appears in the LCD screen of BWC, you can try to reset the BWC (reference chapter 11.2 reset), if still cannot solve the problem please contact technical support.



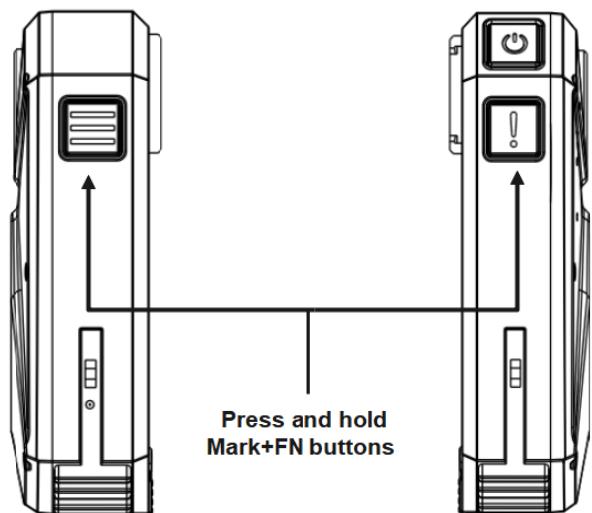
2.5. Stealth Mode

(1) Function Description

In some scenarios, stealth is required in law enforcement. The law enforcement personnel can activate the stealth mode to prevent self-exposure due to sound and light indications on the BWC. In the stealth mode, the LCD, prompt tone, status light, and recording light are turned off, but there are vibrations when recording is turned on or off.

(2) Operating Instructions

Step 1. Press the FN and MARK buttons at the same time and wait for the BWC to enter the stealth mode.



Step 2. When **ENTER STEALTH MODE** is displayed on the LCD, wait for 5 seconds until the notification disappears. The BWC enters stealth mode.



Step 3. To restore the standby mode, repeat step 1 to press the FN and MARK buttons at the same time and wait until the LCD restores the display. Then the BWC changes from the stealth mode back to the standby mode or recording mode.

2.6. Charging the Battery

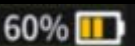
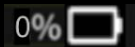
2.6.1. Low Battery Level

When the battery level is lower than 20%, **BATTERY LOW** is displayed on the LCD of the BWC (see the following figure), and short prompt tone are produced to remind the user that the BWC is of low battery level and needs to be charged. The prompt will appear each time when the battery level drops by 5% until the BWC is charged or is powered off due to insufficient power.

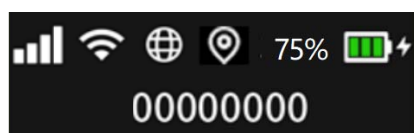


Battery status displayed on the LCD

Status Icon	Description
-------------	-------------

	Fully charged (no percentage shown)
	Sufficient power (99%-70%)
	Moderate power (69%-30%)
	Low power (29%-1%)
	Empty battery holder 0%

Note: When the BWC is charged, a lightning icon is displayed on the right side of the battery icon.



2.6.2. Charging the Battery

2.6.2.1. Charging on a Dock

The single-slot dock is usually equipped on a police car and supports charging and data upload for a single BWC.



Operating Instructions

Step 1. Ensure that the dock is powered on. The status light of a powered dock is blue (see the following figure).

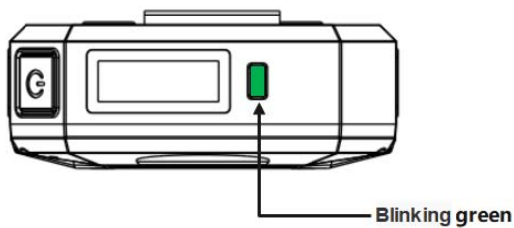


Step 2. Insert the BWC vertically into the dock. The dock status light turns red, and the dock is successfully connected to the BWC (see the following figure).

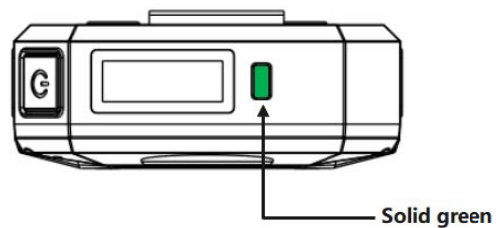


Step 3. When a BWC is not fully charged yet, the status light is blinking green. After the BWC is fully charged, the status light turns solid green.

Battery < 100%

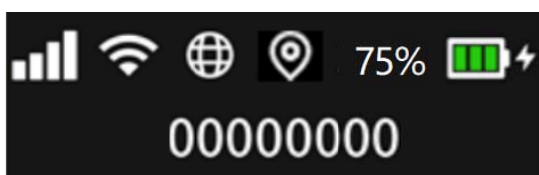


Battery = 100%



Charging Status

If there is no video evidence that needs to be uploaded from the BWC, the dock only charges the BWC, and only the status bar and policeman ID are displayed on the LCD of the BWC (see the following figure).



2.6.2.2. Charging on a Station

The Station is usually equipped in the police Station and supports the charging and data upload for multiple BWCs.



Operating Instructions

Step 1. Ensure that the Station is powered on. The status light of a powered Station is blue (see the following figure).



Step 2. Insert the BWC vertically into the Station. The BWC light on the Station turns red, indicating the connection is successful (the light indications are the same as the dock).



Step 3. Insert the battery into the Station. The battery light of the Station turns red or green. (If the battery is not fully charged yet, the battery light is red. If the battery is fully charged, the battery light is green. The following figure shows that the battery is fully charged and the battery light is green.)



2.6.2.3. Taking out the Battery

Take out the battery from the BWC according to the operations in the following figures.



2.7. Evidence Upload

2.7.1. Note

After the BWC is inserted into a dock, it automatically links with the platform. If there is new video evidence in the BWC, it automatically synchronizes with the platform through the dock. After the synchronization, the evidence on the BWC will be automatically deleted. (The server address is presented in IE configuration description)

2.7.2. Operating Instructions

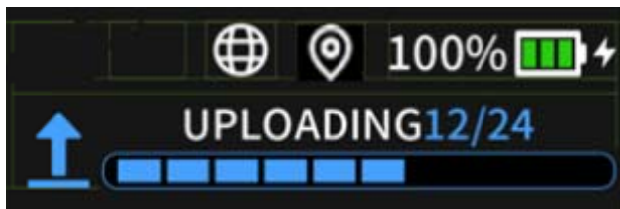
Step 1. Ensure that the dock is powered on. The status light of a powered dock is blue (see the following figure).



Step 2. Insert the BWC vertically into the dock (see the following figure). The dock status light turns red, and the dock is successfully connected to the BWC.



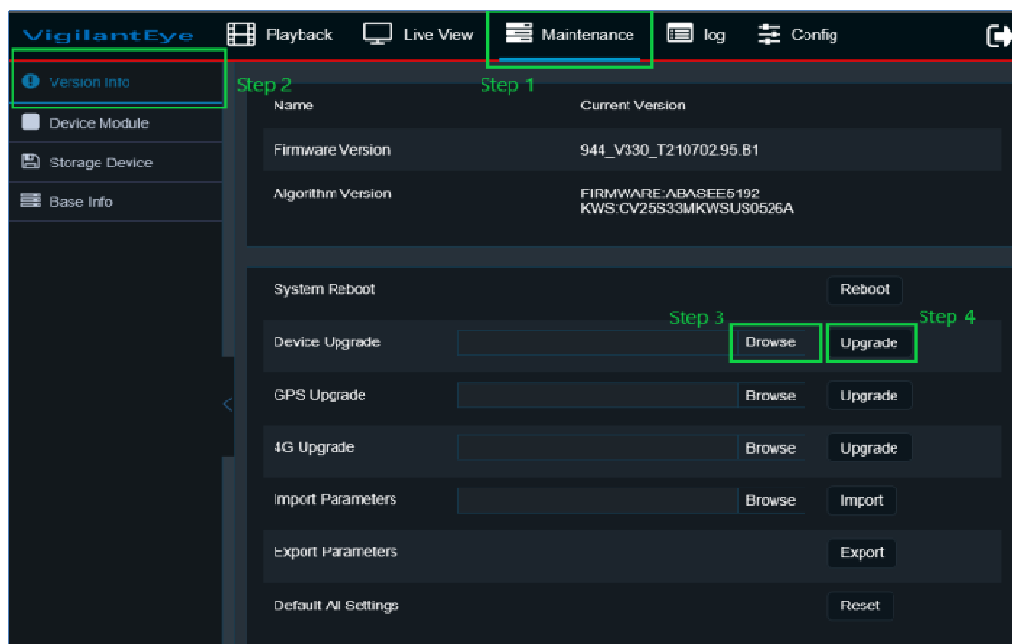
Step 3. If there is video evidence in the BWC needing to be uploaded and synchronized to the platform, the dock can upload the data, and the status bar and upload progress are displayed on the LCD (see the following figure).



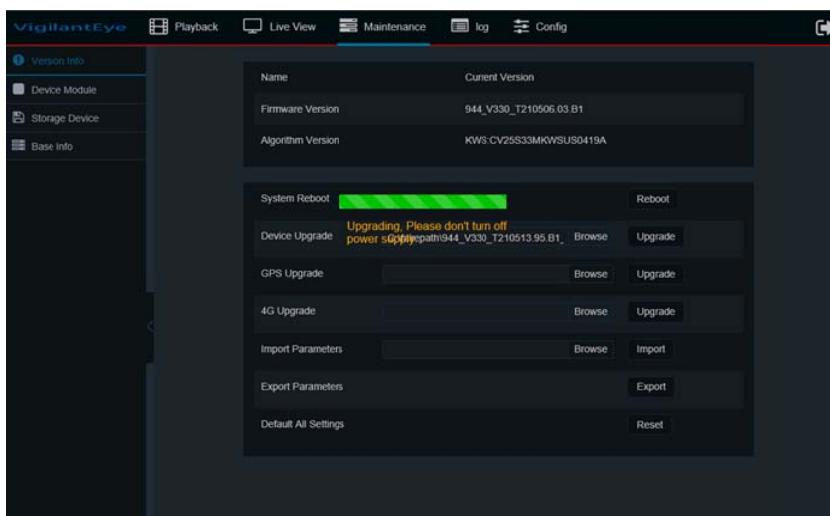
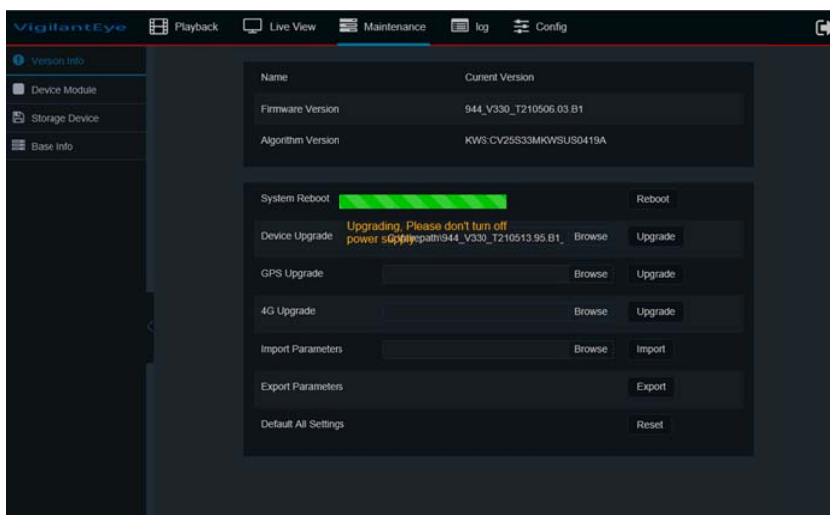
2.8. BWC Upgrade

2.8.1. Upgrade through the IE Browser

Step 1. Click **Maintenance** in the upper part of the menu of the VigilantEye (for details about how to access the VigilantEye through the IE browser, refer to the description about configurations in the IE browser), to enter the device information window. Then follow the steps in the figure.



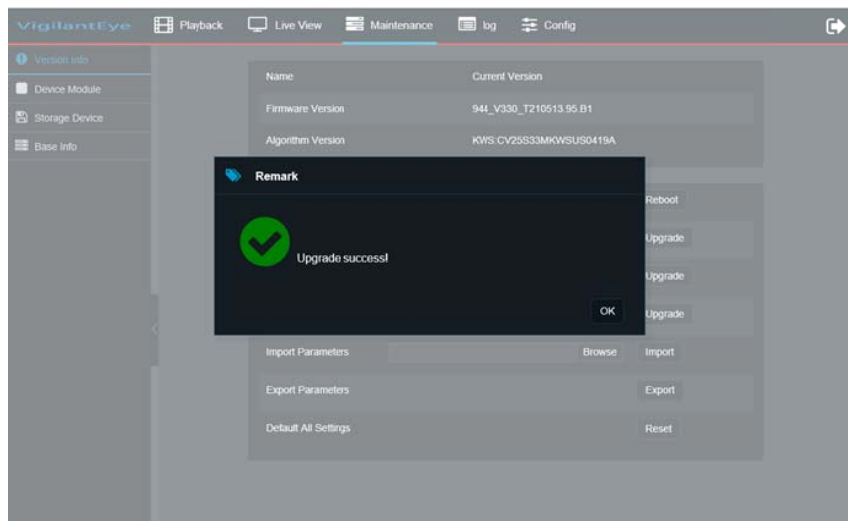
Click **Upgrade** to upgrade the BWC. During the upgrade, do not disconnect the power source from the BWC, which can cause upgrade interruption.



During upgrade, the BWC LCD screen displays UPGRADING as the following figure.



After succeeded upgrade, the following prompt is displayed in the window.



2.8.2. Remote Upgrade (Developing)

Step 1. Insert the BWC into the dock.



Step 2. The BWC enters the charging status (refer to the section of charging).

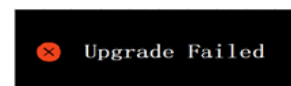
Step 3. If a new firmware upgrade package is released on the platform, the BWC enters

the upgrade status.

Step 4. **UPGRADING** is displayed on the LCD of the BWC (see the following figure).



Step 5. If the upgrade fails, **Upgrade Failed** is displayed on the LCD (see the following figure). After 10 seconds, the BWC switches to the charging status or uploading status.



Step 6. If the upgrade is successful, the BWC automatically restarts and restores the charging status/uploading status (refer to the section of charging the battery).

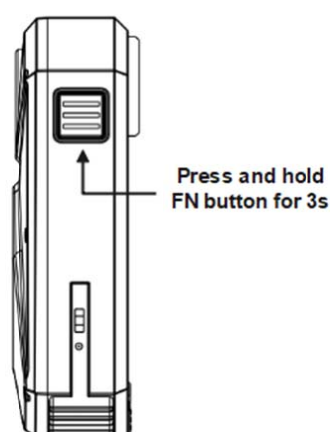
2.9. View and Edit on the App

2.9.1. Function Description

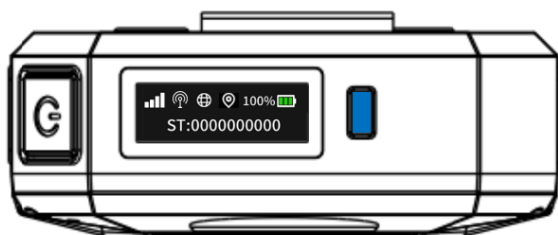
With the law enforcement app, the user can query the related status information of the BWC and classify and edit the video evidence at any time. Also, the user can add tags and edit them.

2.9.2. Binding Operation

Step 1. Press and hold the FN button of the BWC to activate the AP hotspot of the BWC.



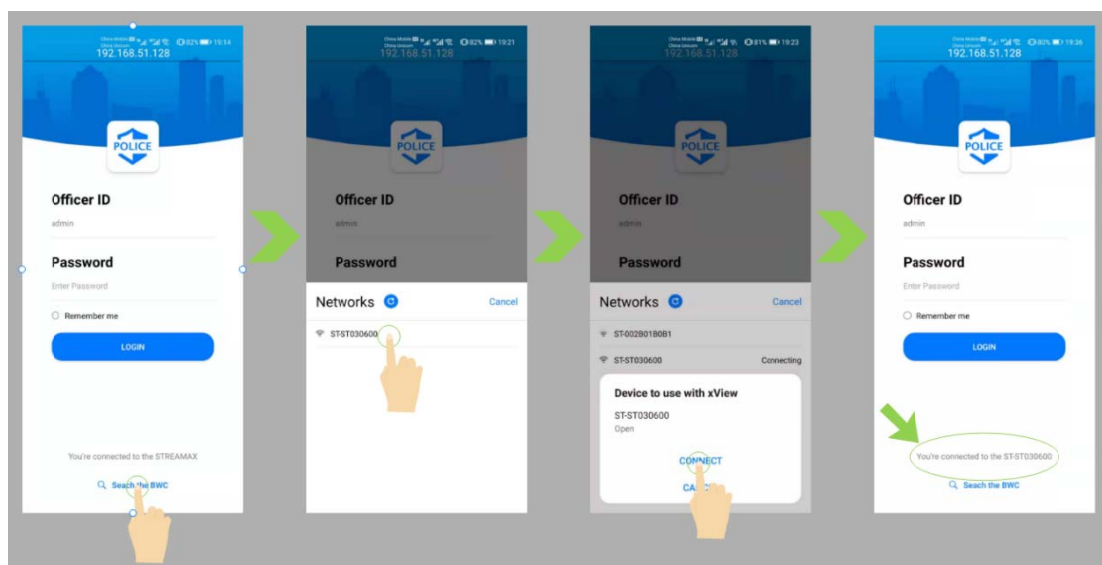
Step 2. The BWC status light turns solid blue, and the AP hotspot is activated (the status light will remain solid blue until the AP hotspot is deactivated or other functions occupy the light indication).



Step 3. Then the AP hotspot icon changes from the disabled status to the enabled status on the LCD (see the following figure).



Step 4. Open the app on the cellphone, touch **Search the BWC** on the lower part to search for signals from BWCs. Wi-Fi hotspots named the bound policeman IDs can be found. (For example, the policeman ID is ST030600, and a hotspot named ST030600 can be found.)



Note: Search the BWC through IOS system, set-up page will prompt. Connect WiFi and return to APP login page to log in.

Step 5. When a connected hotspot is displayed on the lower part of the app interface, the BWC is connected. Enter the account name and password and log in, to complete the binding. (For detailed linkage operations, see the BWC app user manual.)

2.10. Others

2.10.1. Storage Status

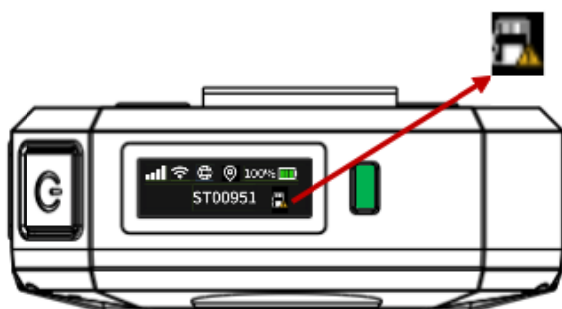
(1) Function Description

The videos recorded on the BWC need to be uploaded through the dock for evidence backup and archive (see section 7.2.1. Charging on a Dock). Due to storage limitations, the uploaded video data will be overwritten for subsequently recorded video evidence. If

the data is not uploaded for a long time and the storage space is full, recording cannot be activated or the video cannot be completely recorded, hampering evidence collection. To prevent such inconveniences, the BWC will prompt notifications on the LCD when it is in standby mode, in order to notify the user that storage space is insufficient and prompt evidence upload is needed.

(2) Insufficient Storage Space

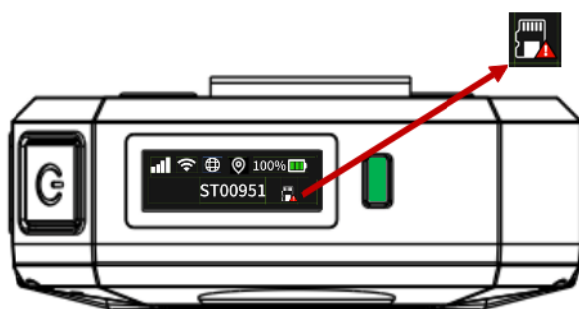
When the storage space is insufficient, an icon indicating that the SD card is about to be full on the right side of the policeman ID on the LCD of the BWC. (The icon is shown in the following figure.)



You can still activate the recording mode on the BWC, but you may fail to record complete videos. In this situation, you need to upload evidence promptly so that you can have more storage space for video recording.

(3) No Storage Space

When the BWC has no storage space, an icon indicating that the SD card is full is displayed on the right side of the policeman ID on the LCD of the BWC. (The icon is shown in the following figure.)



Then you need to upload the evidence before you can record videos on the BWC.

2.10.2. SIM card



1. When the BWC plugin the station, the 4G module will be disable, the module status will be: No Exist.

Module Network	Service Type	Unknown
	Moduel Status	Not Exist
	SIM Card Status	No SIM Card
	Signal	(0dBm)
	Dial Status	Unknown
	IMEI	

2. When the BWC is power off and plug the BWC to the station, the module status will be: Module not start.

Module Network	Service Type	Unknown
	Moduel Status	Module Not Start
	SIM Card Status	Unknown
	Dial Status	Unknown

3. The 4G will only work when pull out the BWC from the station. You can check the 4G connection by the LCD:

Status icons		
Icon	Name	Description
	4G connection signals	Able to search for and connect to 4G signals
	No 4G connection	Unable to search for 4G signals (No SIM card, SIM is broken)

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2.10.3. Resetting

Press and long hold the power button for 10s or press reset button within the battery hold for resetting. Resetting supports the BWC hardware reboot, resetting user configuration is not included.

Step 1. Get ready a screwdriver or a pen.



Step 2. Open the rear cover of the BWC and take out the battery.



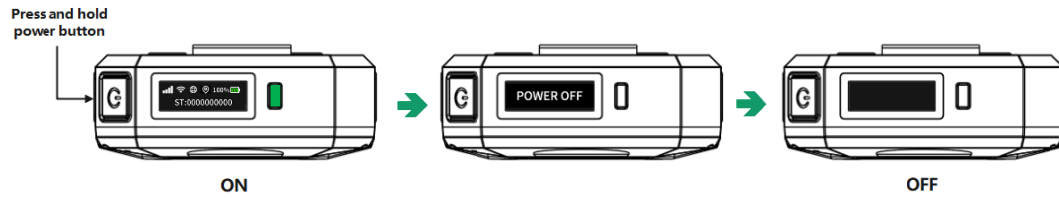
Step 3. Use the screwdriver or pen to press on the reset button or press and hold on the button for resetting (Resetting can only achieve the BWC hardware reset, modifying relevant parameters is not supported).



Step 4. After the reset, press the power button to restart the BWC.

2.11. Powering Off

Press and hold the power button. When **POWER OFF** is displayed on the LCD, the BWC is powering off. Wait until the text disappears. The BWC is powered off.



2.12. Warning Statement

FCC Warning Statement

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.

ISED Canada Statement:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development

Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- 1) this device may not cause interference and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Radiation Exposure: This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment

Specific Absorption Rate (SAR) information:

This smart phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

This equipment should be installed and operated with minimum distance of 0mm the radiator your body. The body-worn test distance is 0mm.