

VigilantEye Configuration



Contents

Introduction	3
BWC Configuration.....	3
1. Login page(V1.7)	3
2. Record playback.....	8
2.1. Backup video	9
2.2. Player.....	10
2.3. Live View	10
3. Maintenence.....	11
3.1. Version information	11
3.2. Upgrade.....	11
3.3. Config import.....	12
3.4. Config Export.....	13
3.5. Reboot and Reset	13
4. BWC Log	13
5. Config.....	14
5.1. Basic setting.....	14
5.2. Video setting	22
5.3. Data setting.....	26
5.4. Alarm setting	26

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.

BWC Configuration

1. Login page(V1.7)

Note: You can set BWC parameters on any browser, but you can only view live video in IE browser in before V1.6.

From V1.7, can use Chrome or Edge to check the video and no need install any plugin.

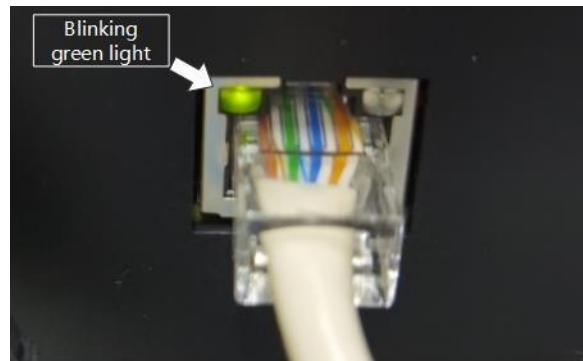
Connect the Laptop and the Dock&station to the Router.



Step 1. Power on the station. When you see that the station status light is on, the blue light indicates that the station has been powered on successfully

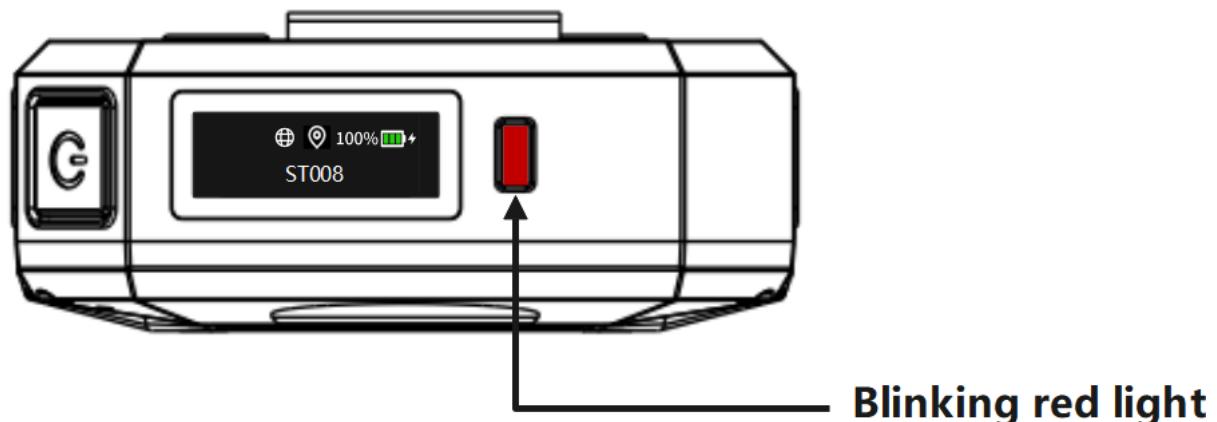


Step2. Connect the station to the Router through the network cable. When the light on the left side of the network port blinking green light, the station is connected to the network.



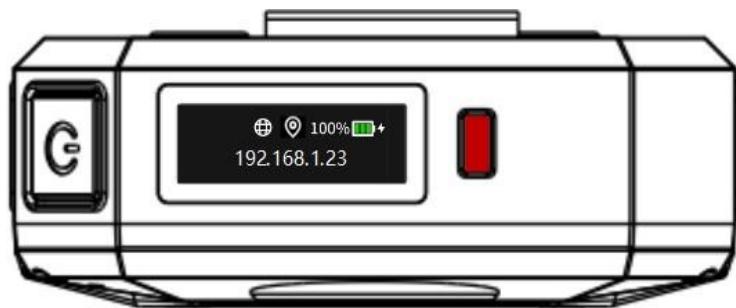
Note: The station need to be connected to the Router since the BWC is under DHCP mode, need the Router to assign the IP to BWC.

Step 3. Install the BWC battery and insert it into the station. If BWC indicator on the station turns red (as shown in the figure below), it indicates that the BWC is successfully connected to the station. The status indicator on the BWC blinking red, indicating that it is not connected to the VEMS server.

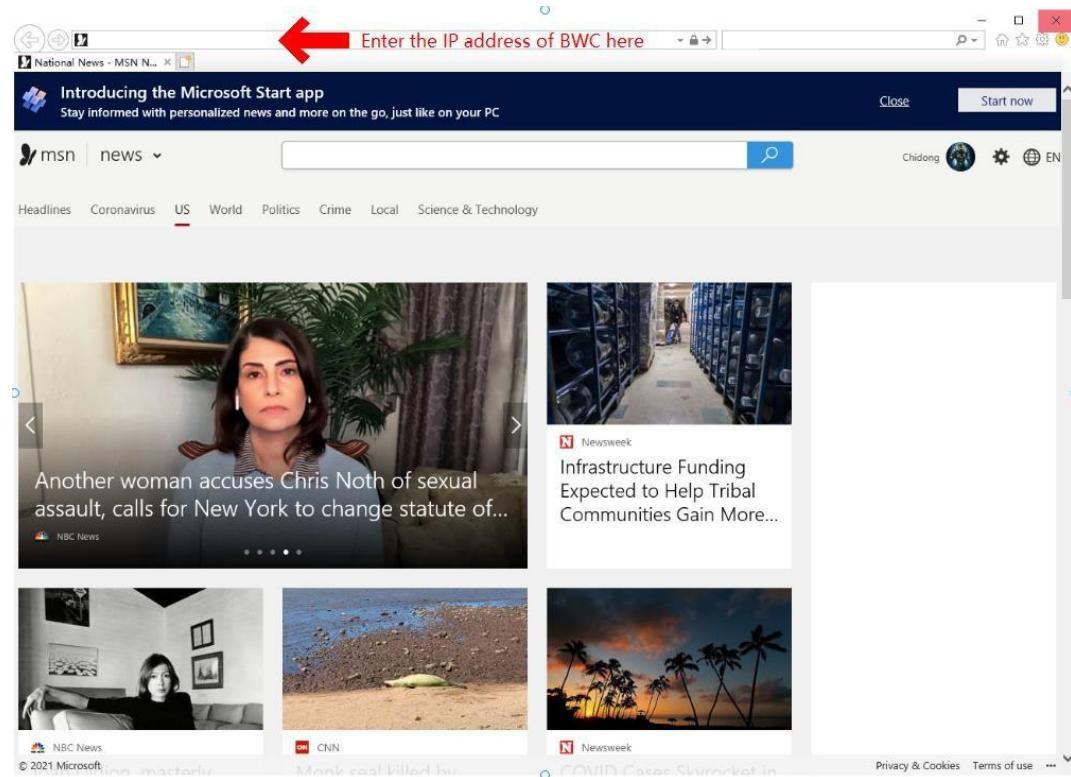




Step 4. After BWC inserting the station or Dock, BWC will automatically obtain the IP address assigned by the router (DHCP mode). After successful acquisition, it will be displayed on the LCD screen (as shown in the figure below), IP 5 seconds. The IP address will only be displayed for 5S



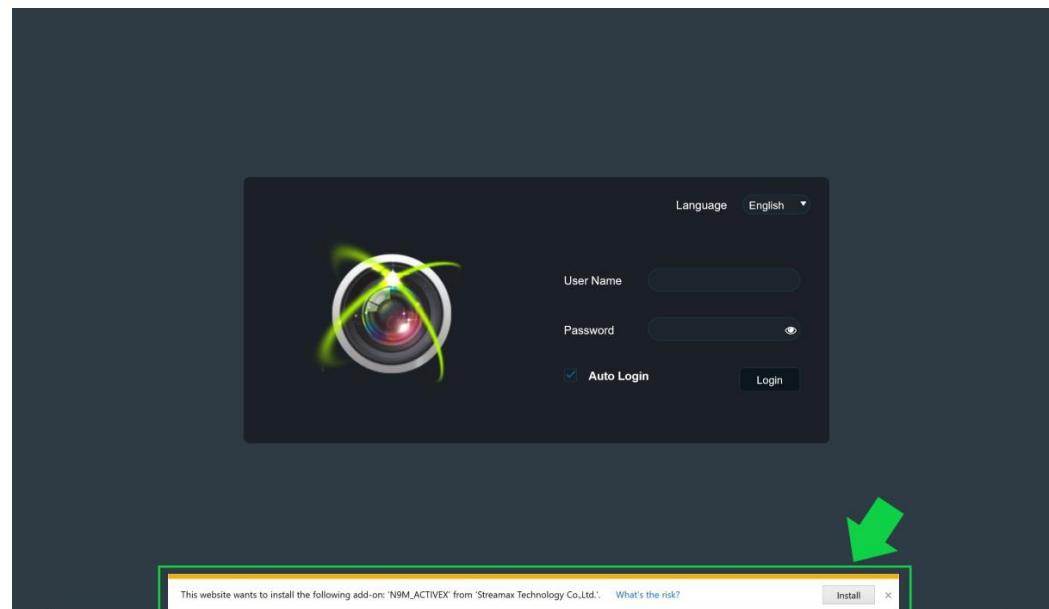
Step 5. Open the browser and enter the IP address into the address bar of IE browser, and press enter to enter the configuration page

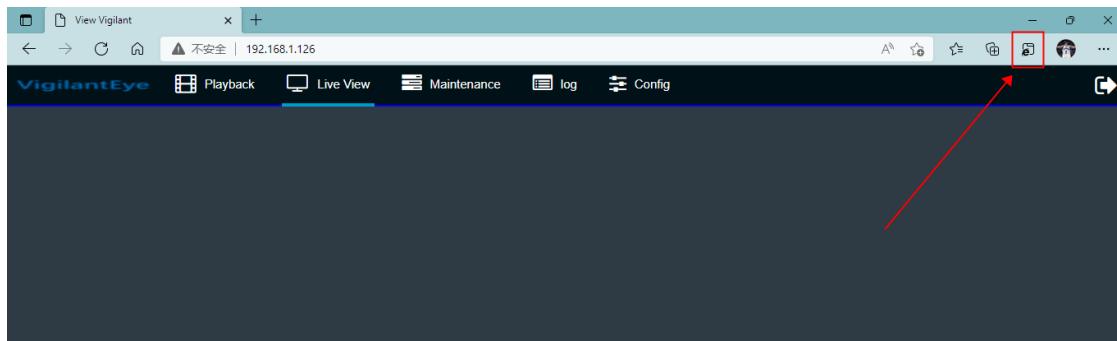


If you want to use the IE interface for video playback, you need to install the control (Note: If you're using the Edge browser, you'll need to open it in IE compatibility mode.).

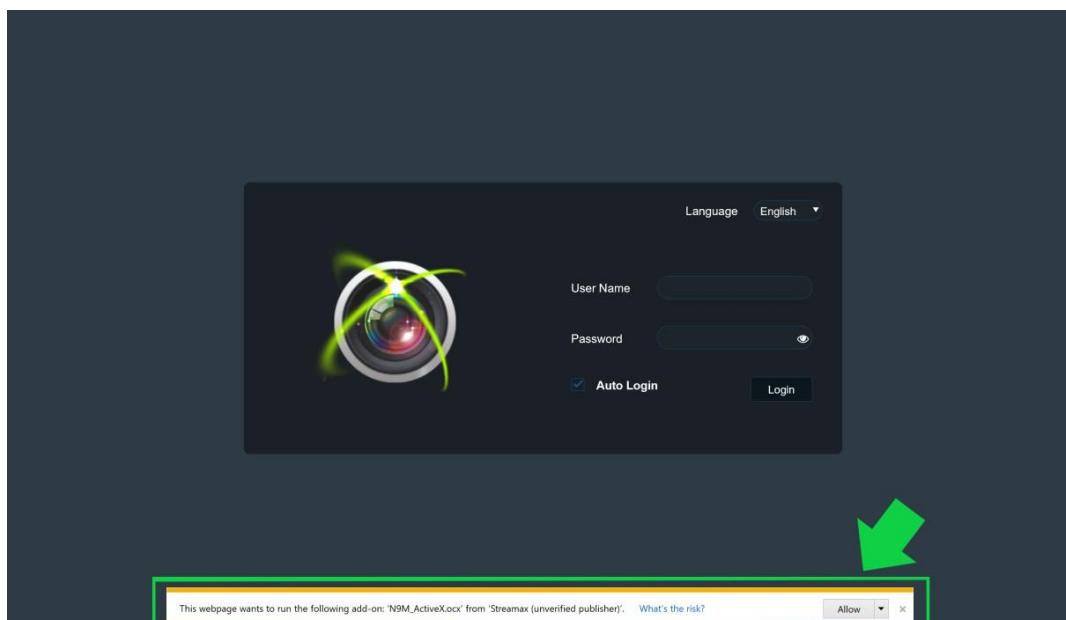
Step 6. First time use IE configuration, you will be prompted to install add-ins (as shown in the figure below), and click "Install"

If use V1.7 and Chrome, no need install extra plugin.

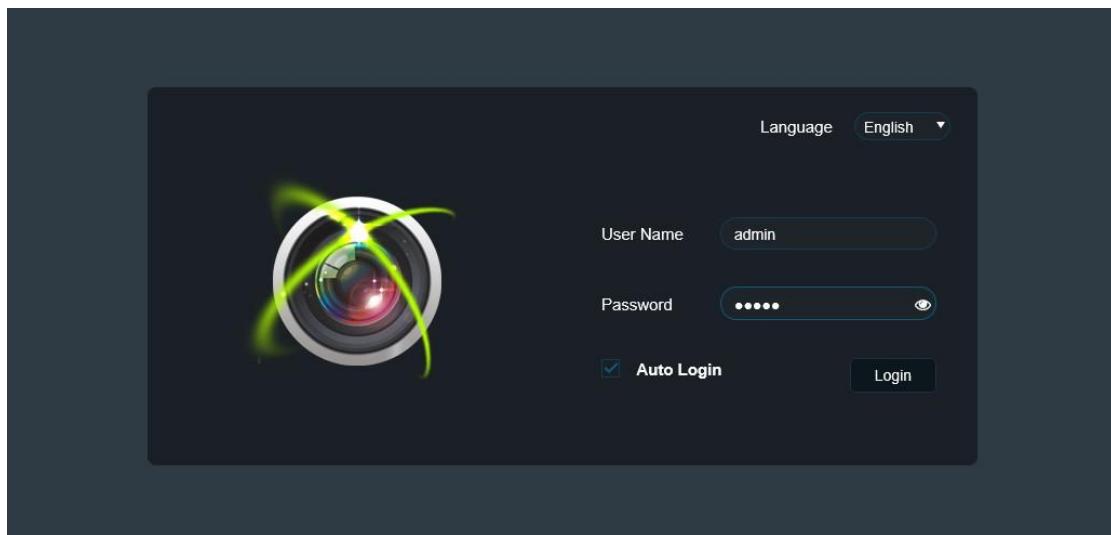




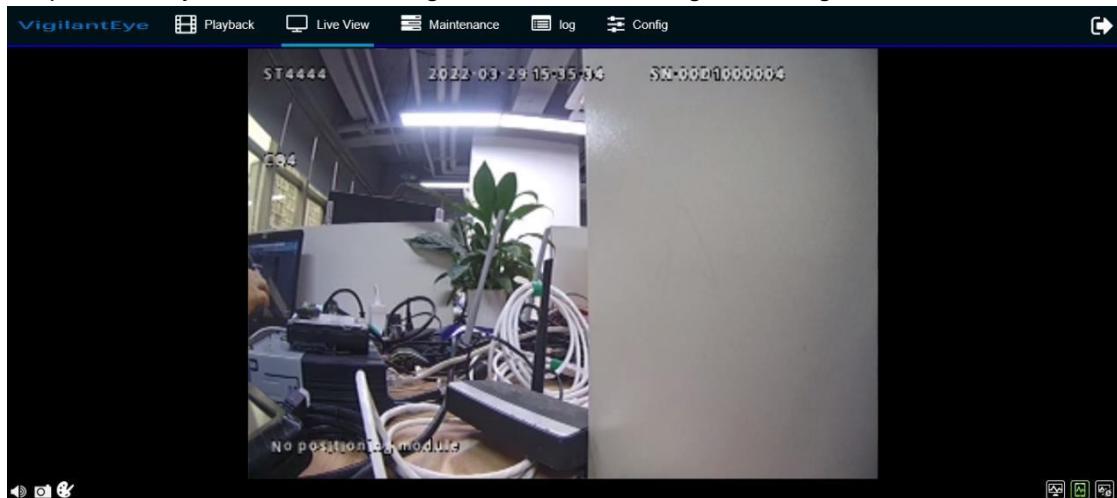
Step 7. After the installation is complete, the window will prompt whether to allow the browser to run the add in. Click allow.



Step 8. After the above processes are completed, you can log in to BWC configuration for the first time. Enter the administrator user name and password (the default administrator user name and password are “admin”, and it is recommended to use the administrator account for subsequent operations. If you use an normal user account, some functions may not be available). Check the auto login option, and the login step will be skipped automatically next time. Click the login key at the bottom right to log in to the account.

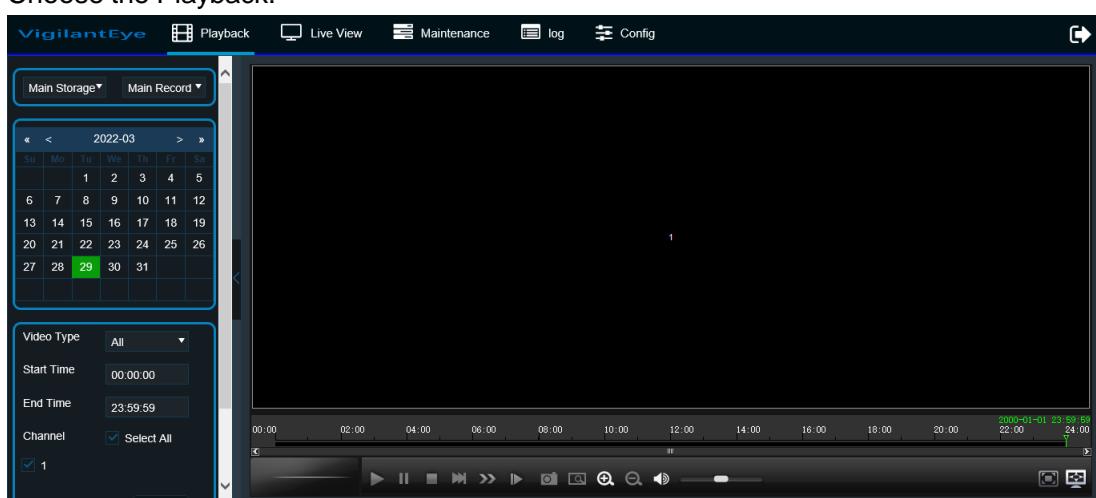


Step 9. When you see the following window, BWC configuration login succeeds.



2. Record playback

Choose the Playback:



2.1. Backup video

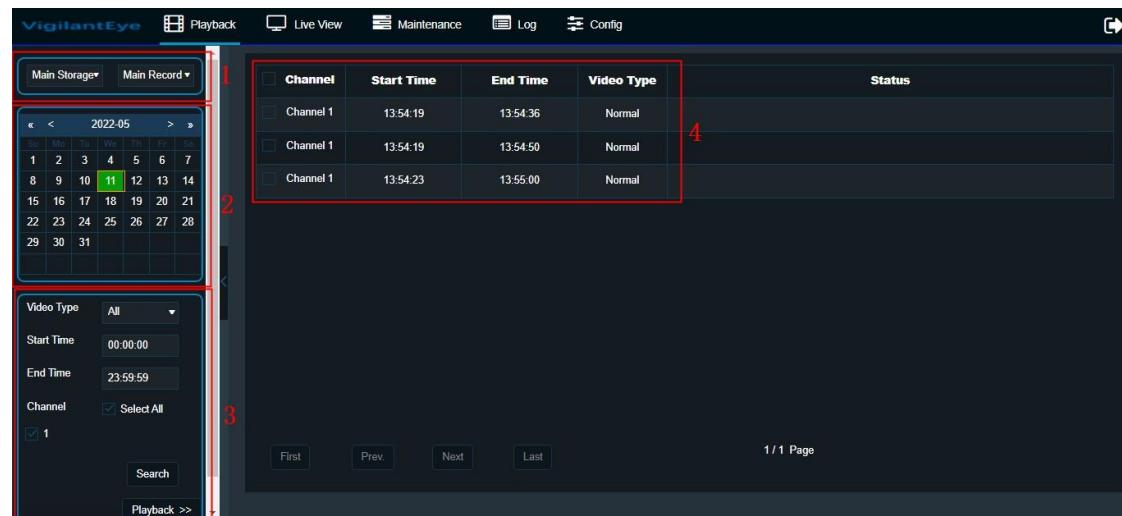
Step 1: Select the main memory, main video (default, single soldier only this option, select other no video).

Step 2: Select the date for which video playback is required. The green color is the date for which video is available, and the background color is the date for which no video is available. After selected, the date has a yellow box;

Step 3: Select a time period;

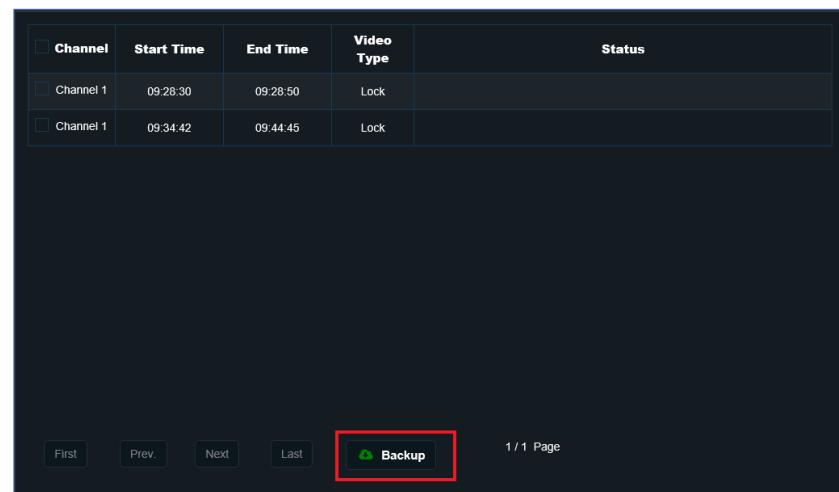
Step 4: Click search;

Step 5: Click the video list to display the area shown in figure 4.



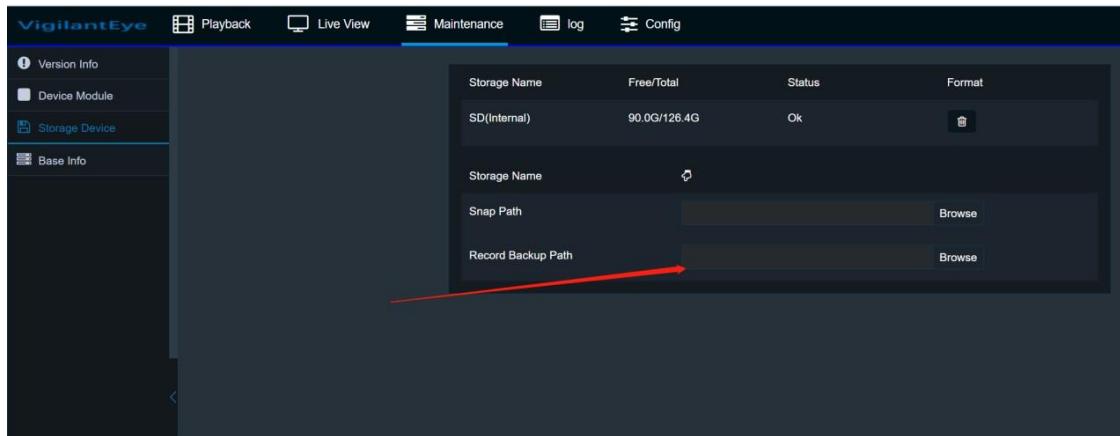
Channel	Start Time	End Time	Video Type	Status
Channel 1	13:54:19	13:54:36	Normal	
Channel 1	13:54:19	13:54:50	Normal	
Channel 1	13:54:23	13:55:00	Normal	

Choose the video on the List and Click the backup to download video to local.



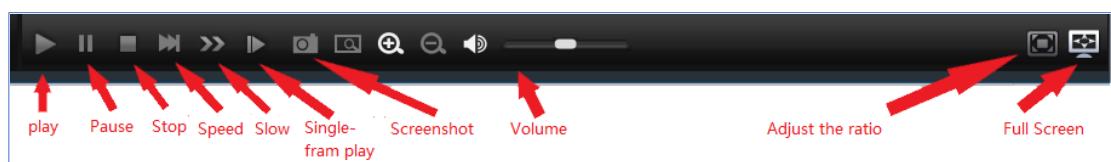
Channel	Start Time	End Time	Video Type	Status
Channel 1	09:28:30	09:28:50	Lock	
Channel 1	09:34:42	09:44:45	Lock	

Here is the path to backup the video.



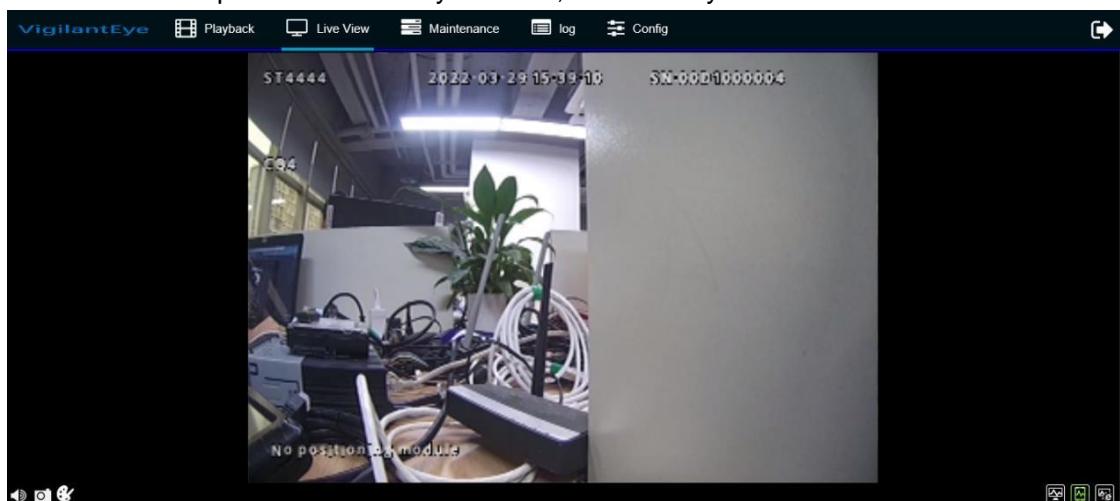
Note: Please run the IE as administrator authority, otherwise will export fail.

2.2. Player



2.3. Live View

You can set bwc parameters on any browser, but can only view live video in IE browser



Video stream settings : Main stream, Sub stream, Network stream

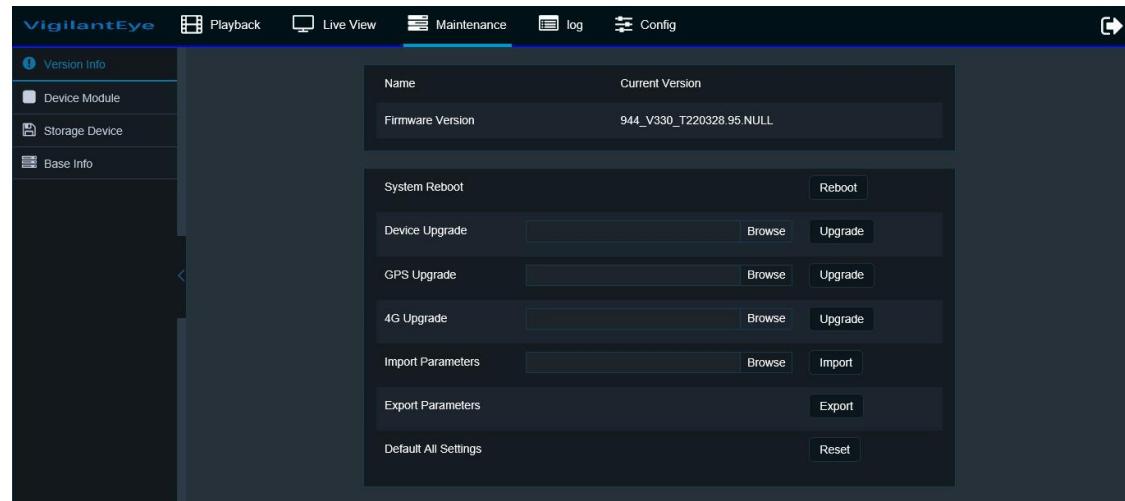
Note:

When the BWC is docked, BWC will stop encoding automatically, in this case the live streaming will **be disable**. You can go to Video Setup>Main Stream>Default, then the BWC will enable encoding, the live steaming will work. Every time the BWC is docked, the encoding will stop. This design is to reduce heat during charging to protect the battery.

3. Maintenance

The Maintenance page includes version information, device modules, storage devices, and basic information

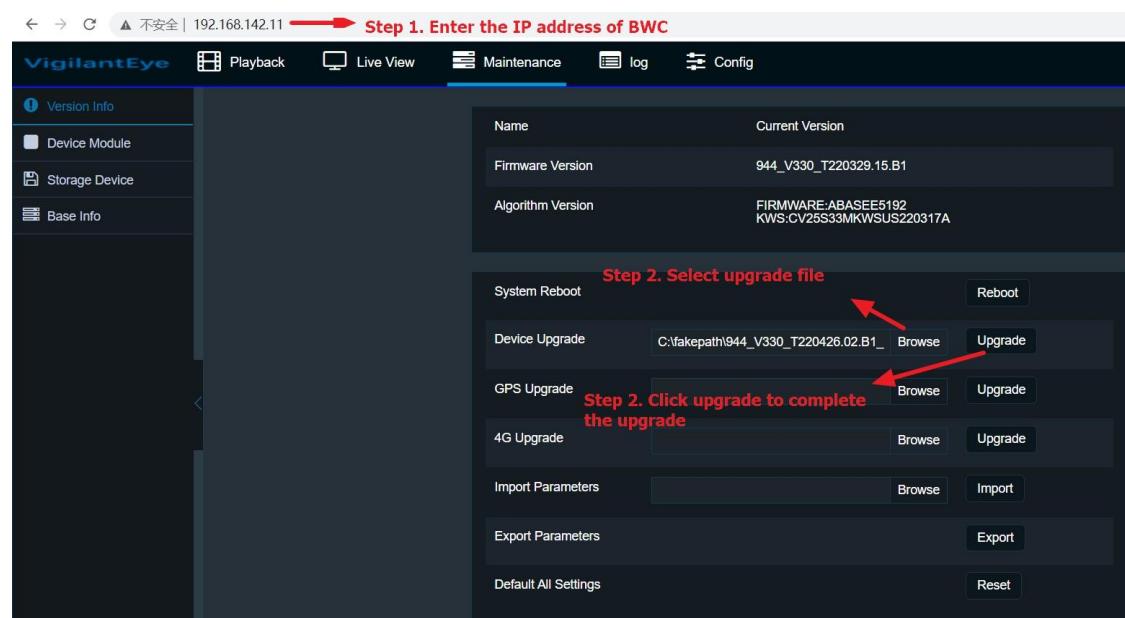
3.1. Version information



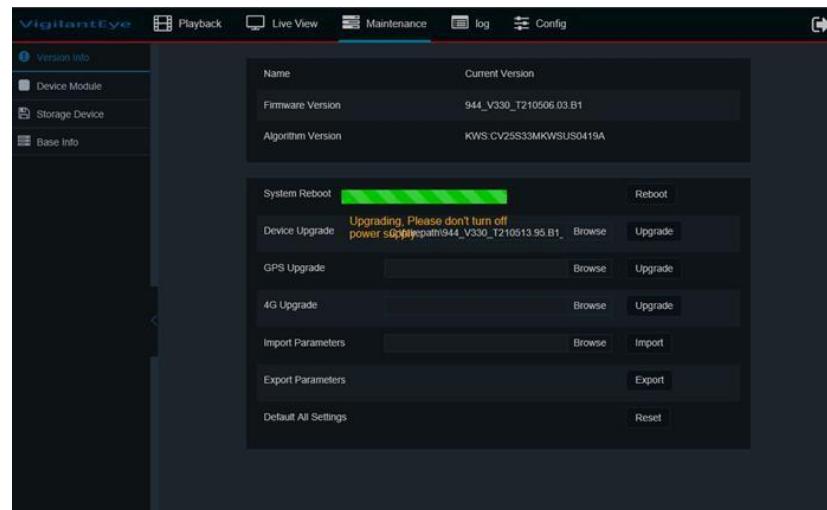
Version Information Displays the firmware version of the current device.

3.2. Upgrade

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.



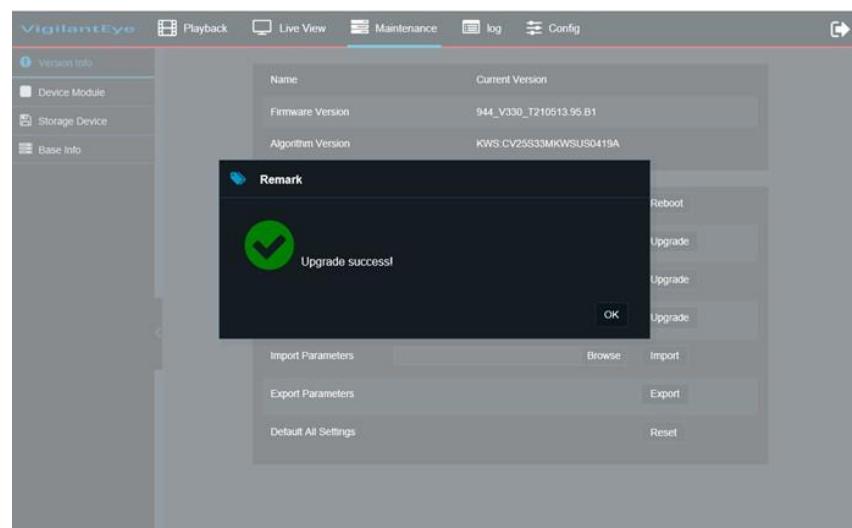
Click **Upgrade** to upgrade the BWC. During the upgrade, do not disconnect the power source from the BWC, which can cause upgrade interruption.



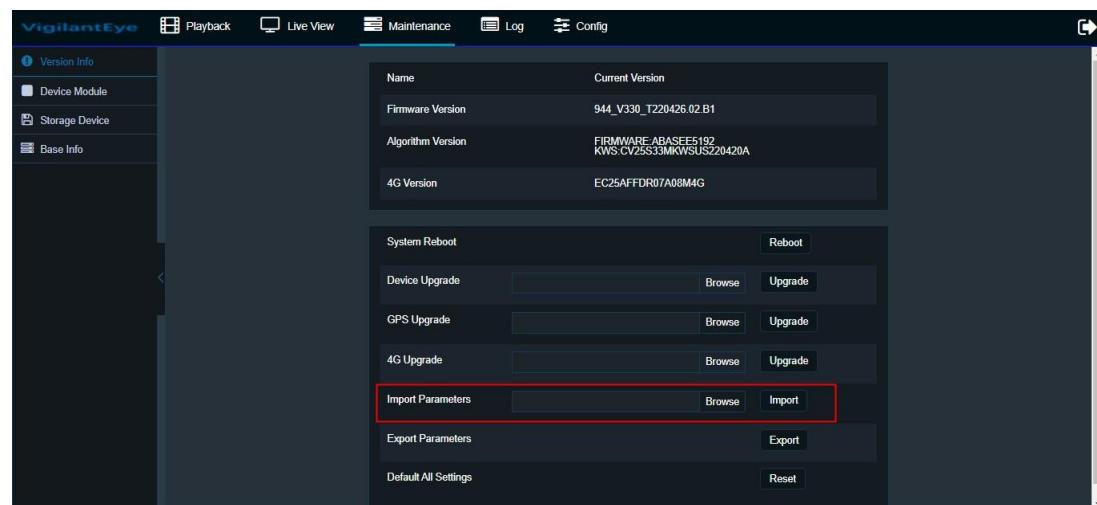
During upgrade, the BWC LCD screen displays UPGRADING as the following figure.

UPGRADING

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



3.3. Config import



3.4. Config Export

The screenshot shows the Streamax VigilantEye web interface with the 'Config' tab selected. On the left, a sidebar lists 'Version Info', 'Device Module', 'Storage Device', and 'Base Info'. The main content area displays device information: Name (Current Version), Firmware Version (944_V330_T220426 02 B1), Algorithm Version (FIRMWARE_ABASEE5192 KWS.CV25S33MKWSUS220420A), and 4G Version (EC25AFFDR07A08M4G). Below this, there are sections for 'System Reboot' (with a 'Reboot' button), 'Device Upgrade' (with 'Browse' and 'Upgrade' buttons), 'GPS Upgrade' (with 'Browse' and 'Upgrade' buttons), '4G Upgrade' (with 'Browse' and 'Upgrade' buttons), 'Import Parameters' (with 'Browse' and 'Import' buttons), and 'Export Parameters' (with 'Browse' and 'Export' buttons). The 'Export Parameters' button is highlighted with a red box. At the bottom, there is a 'Default All Settings' button and a 'Reset' button.

3.5. Reboot and Reset

The screenshot shows the Streamax VigilantEye web interface with the 'Config' tab selected. The layout is identical to the previous screenshot, but the 'System Reboot' button and the 'Default All Settings' button are both highlighted with red boxes.

4. BWC Log

(1) Log types include alarm logs, operation logs, and lock logs

The screenshot shows the Streamax VigilantEye web interface with the 'Log' tab selected. At the top, there are filters for 'Log Type' (set to 'Operation Log'), 'Time' (set to '2022-03-29'), 'Operate Type' (set to 'All Type'), 'From' (set to '00:00:00'), 'To' (set to '23:59:59'), and buttons for 'Search' and 'Export'. The main area is a table with columns 'Operate Type', 'Time', and 'Information'. The table contains 14 rows of log entries, all of which are 'Operation Log' entries. The 'Information' column provides details such as 'Live view request', 'Download video/video time: 22-03-29 10:37:47 - 22-03-29 10:38:56', 'Server connected', 'Server disconnect', 'Disable Wifi', 'Insert into the dock or station', 'Turn off the LCD backlight', and 'Enable Wifi CLIENT'.

(2) When something wrong and R&D needs to provide BWC running log, please input the "BWC IP/logs/" .

Download the log of the day when the problem occurred to us(as shown below).

input IP/logs

download log named "lg+date.gz"

File	Size
1e22051900.gz	16858717
1e22052000.gz	16268137
1e22052100.gz	14888980
1e22052200.gz	14897945
1e22052300.gz	12579997
1e22052400.gz	15811551
1e22052500.gz	5392767
logfileorder	98
logtmpcfg	0
mark_list.json	24
mark_listBak	24
n9m0.hdf	8256
n9m3.hdf	5184
n9m4.hdf	26688
startup	480
timeshifttask	296280

5. Config

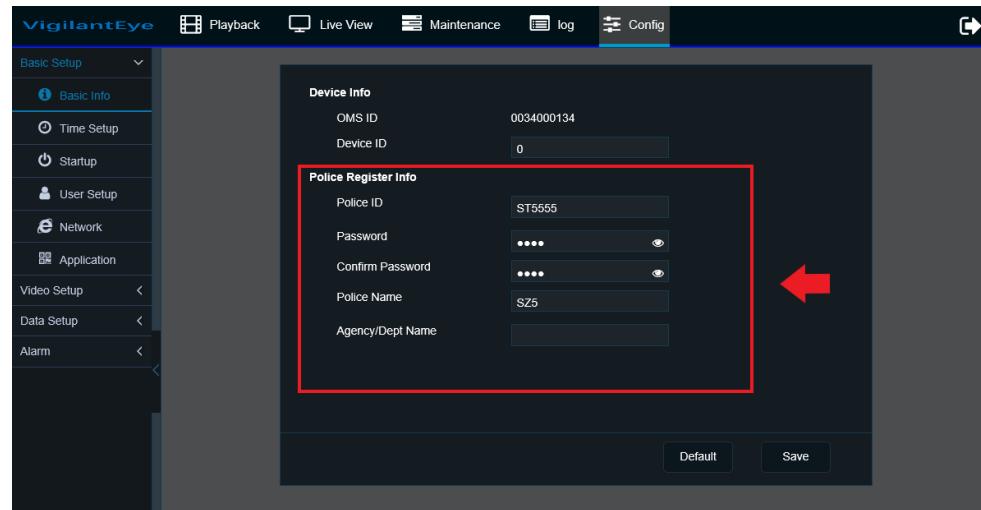
5.1. Basic setting

Step 1. Go to the Config page.

Step 2. Go to Basic Info page

5.1.1. Info setting

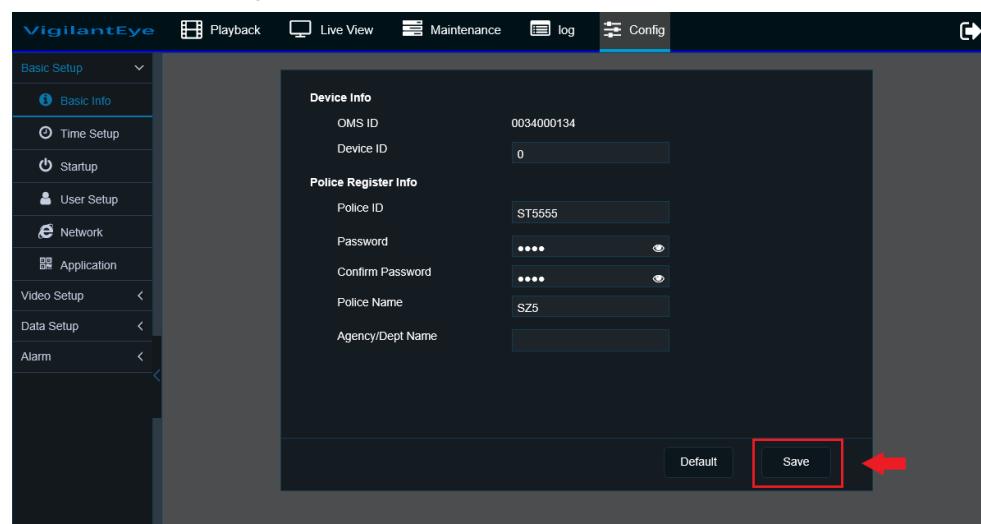
Step 1. Input the officer information.



Note: The Police ID must be the same as the one when you register the officer on the VEMS, otherwise this BWC will no connect to the VEMS.

The password and ID here can be used to login the officer APP and login page in browser.

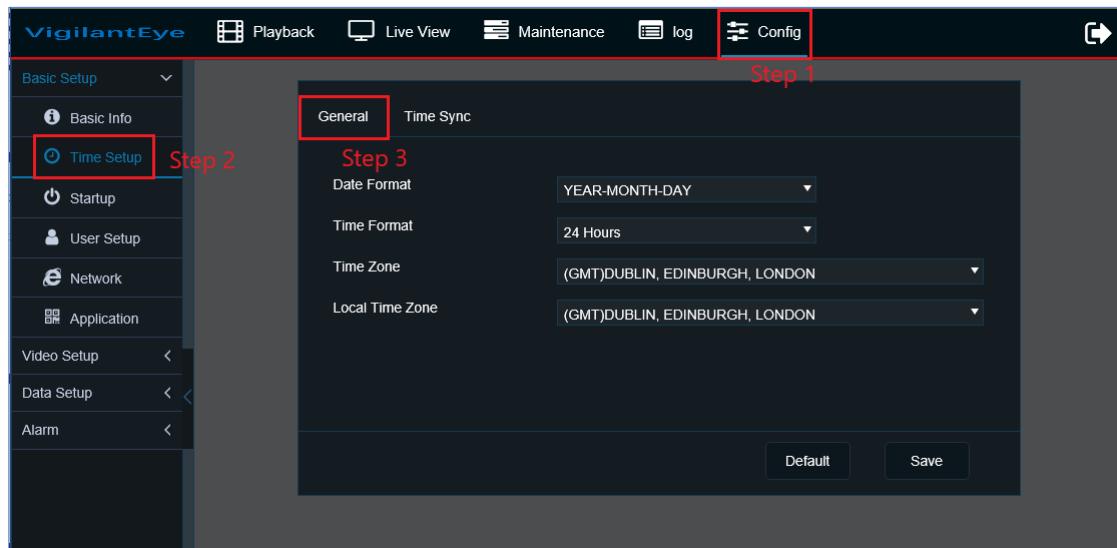
Step 2. Finish config, Save



5.1.2. Time setting

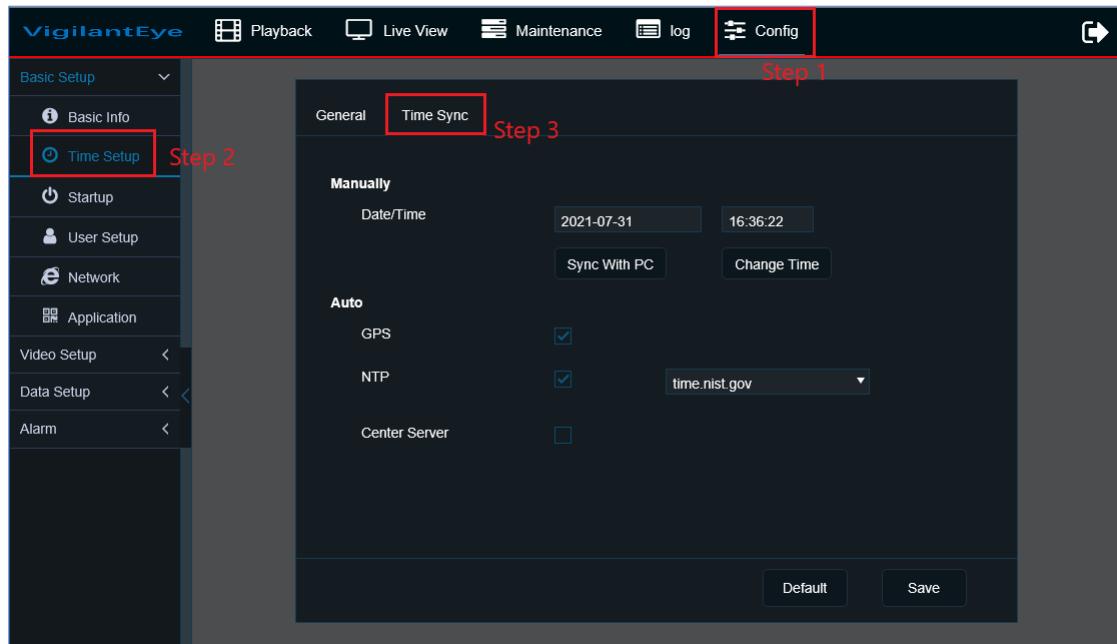
5.1.2.1. General setting

You can set the time format, time system, and time zone.



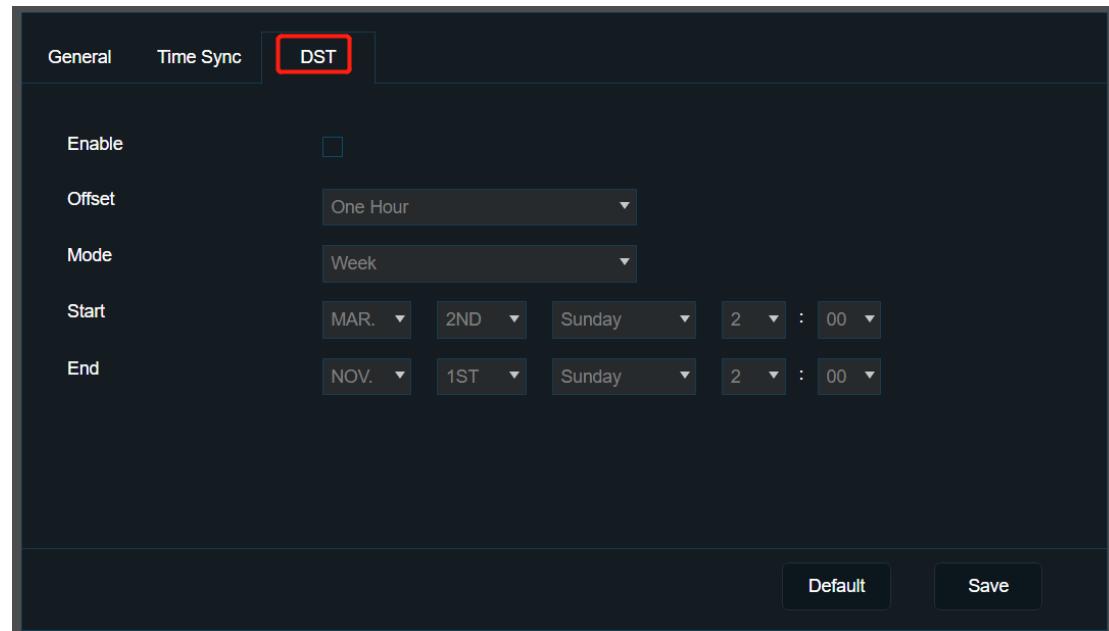
5.1.2.2. Time Sync

You can synchronize time manually or automatically.



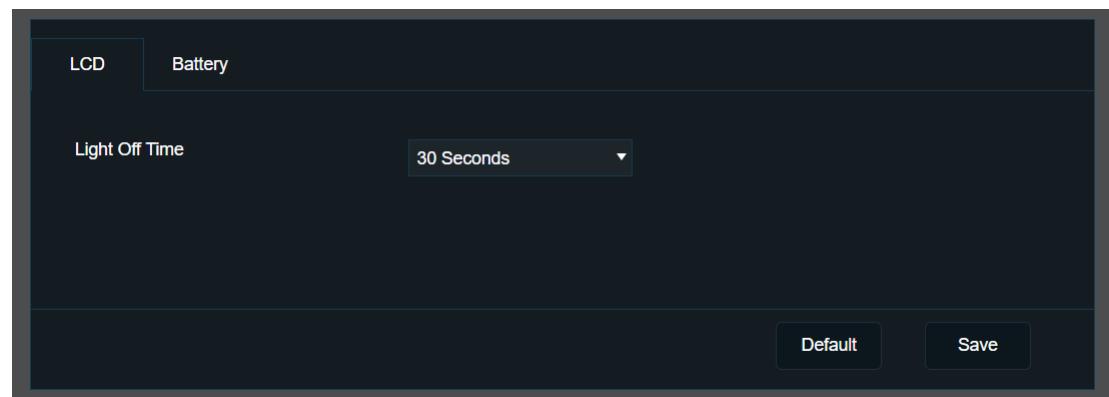
5.1.2.3. DST(V1.7)

Configure the DST(From V1.7)



5.1.3. Startup setting(V1.5)

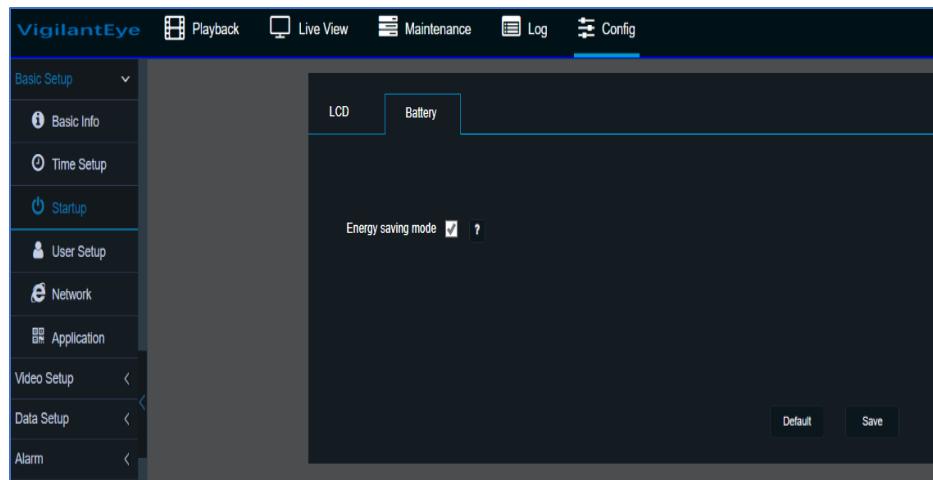
BWC LCD light off time set up.



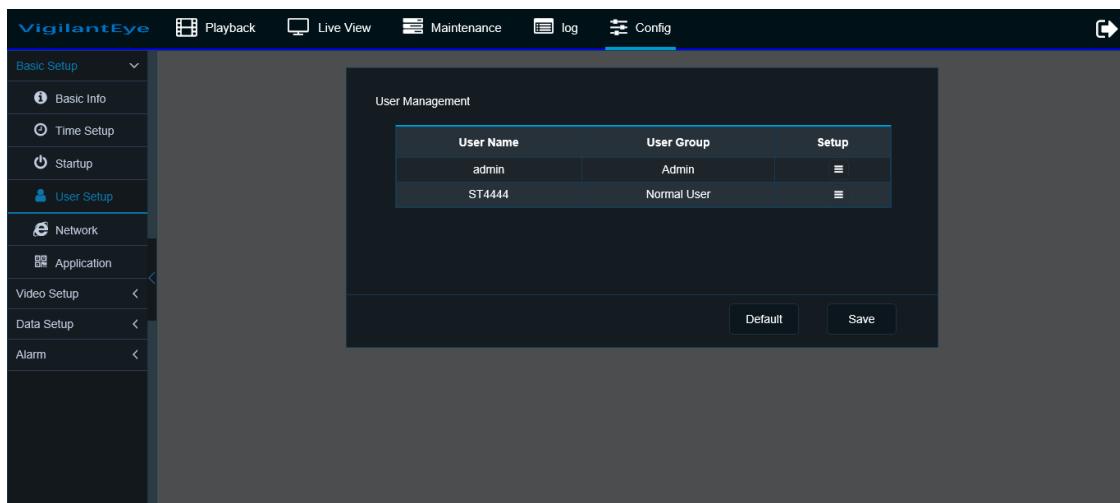
Energy saving mode is used to testing the BWC battery life time.

When enable the energy saving mode, besides the recording feature will be available, all of other module/functions will be disable. Including:

- Disable 4G
- Disable WIFI
- Disable BT
- Disable GPS
- Disable LED
- Disable Speech Recognition
- Disable beeping
- Disable vibration
- Disable stealth mode
- LCD turn off after 5s



5.1.4. User setting



5.1.5. Logo Setup(V1.5)

On the Logo setup, can manually import the logo below.

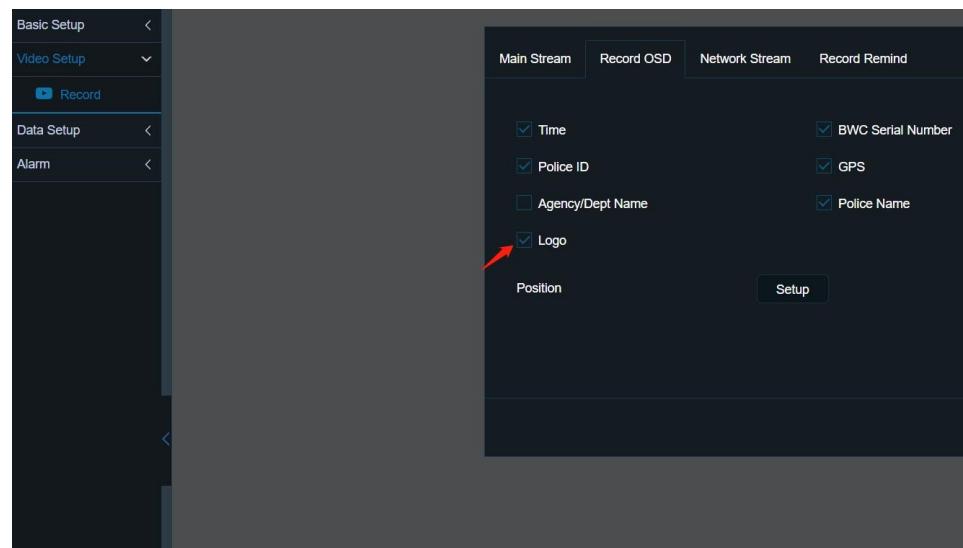


For the logo pic please refer this document to create:

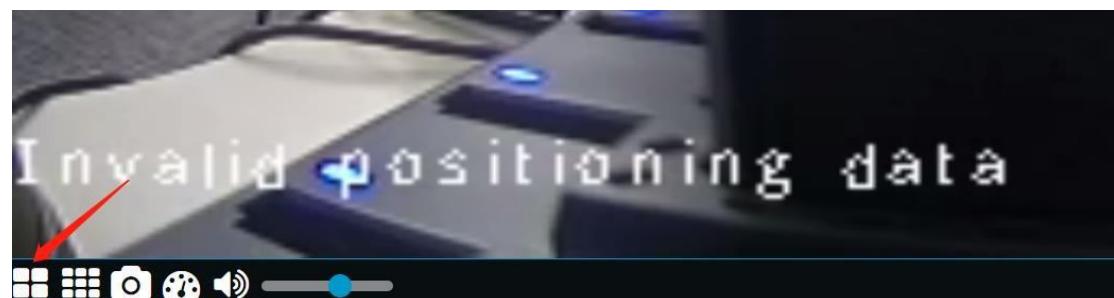

LE solution Logo
customization.d

After import the OSD logo to the BWC, remember to enable the OSD:

If still no display, please clear the page cache and restart the browser



On the live page, if you are V1.7, please firstly press the 4split screen button. (Will change this in the later version.)

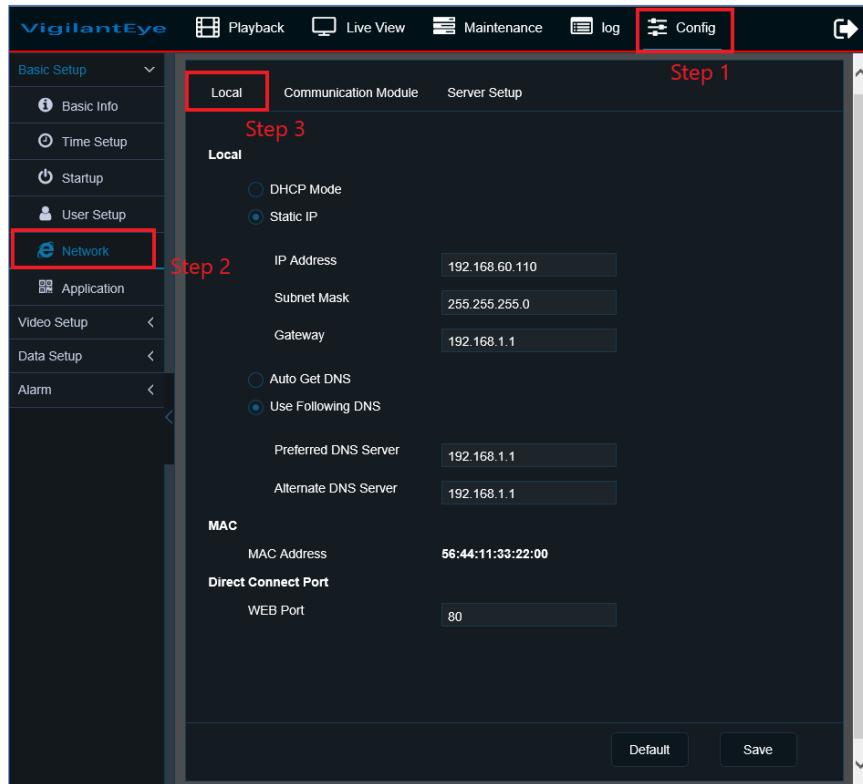


Then double click the image to switch to the Main stream. Can see the final OSD logo status on the main stream.

5.1.6. Network setting

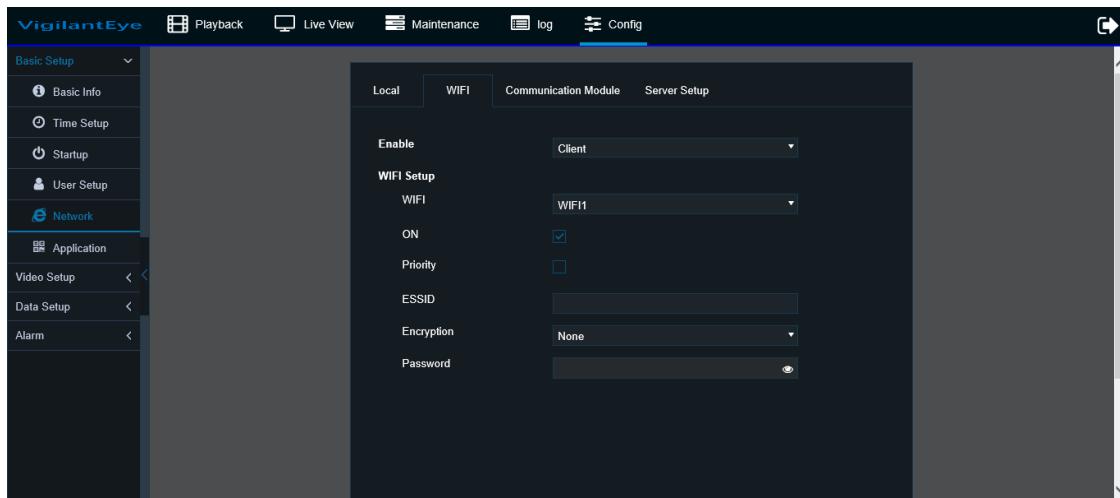
5.1.6.1. Local network

You can set DHCP and fixed IP address modes (DHCP is the default for BWC).



BWC should be DHCP.

5.1.6.2. WIFI network



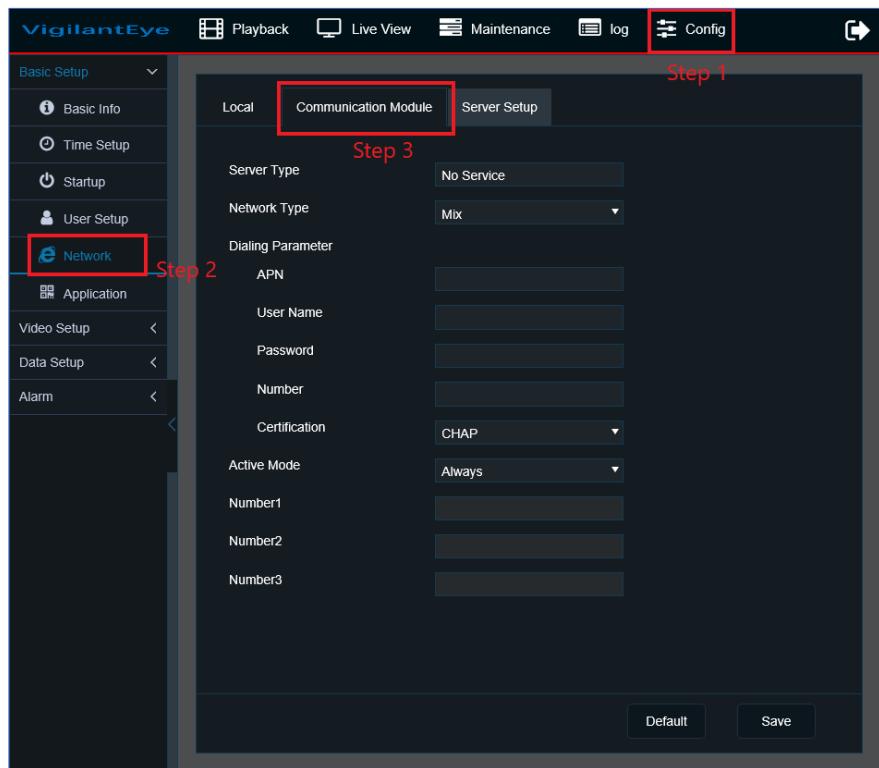
BWC provides 2 WiFi config.you can set WiFi ESSID and Password.

You can set the priority of WiFi.Between WiFi 1 and WiFi 2 you can only set one priority WiFi.The BWC will connect to the WiFi which has the priority when there have both two WiFi.

5.1.6.3. Communication Module

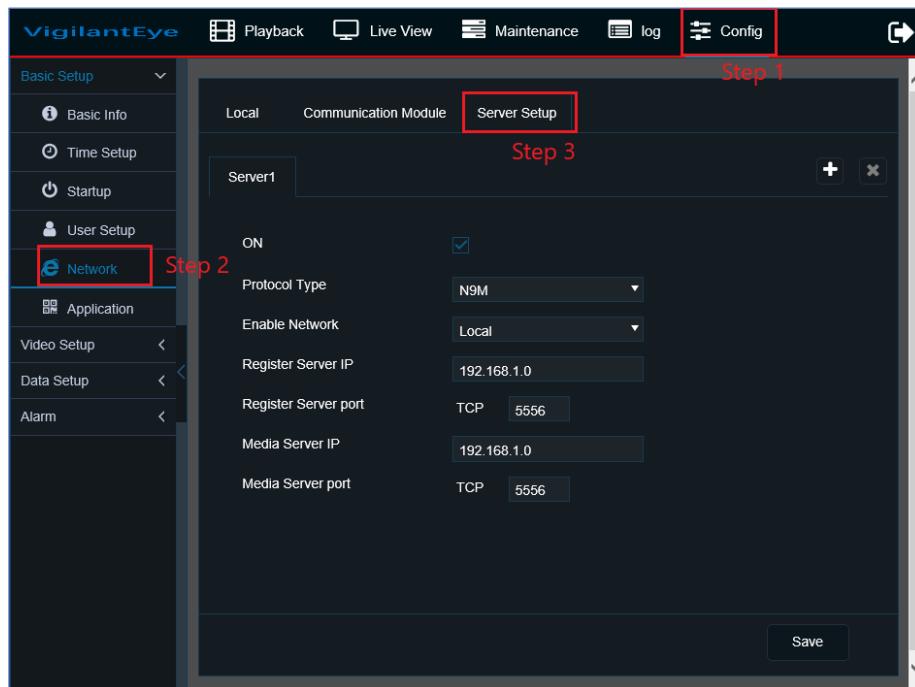
Config=>Network=>Communication Module

You can use the default parameters, which do not need to be modified under normal circumstances.



5.1.6.4. Server Setup

Config=>Network=>Server Setup



One BWC can only connect to one VEMS.

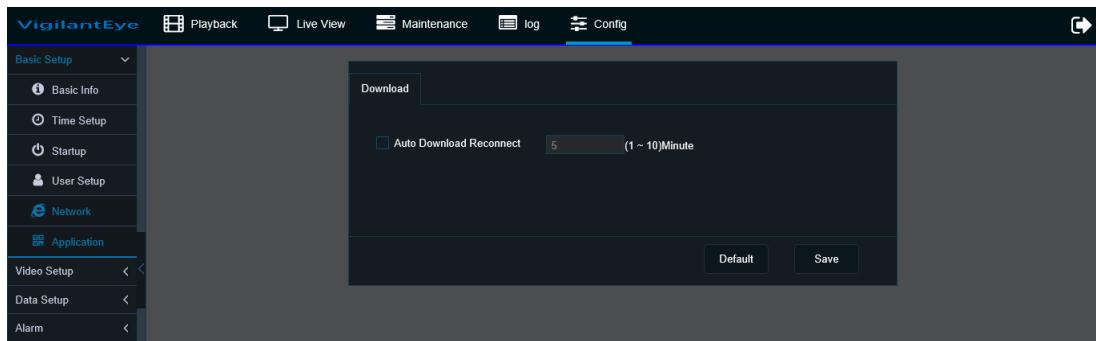
The protocol type should be N9M

IP:VEMS server IP

Register server IP default is: 21083

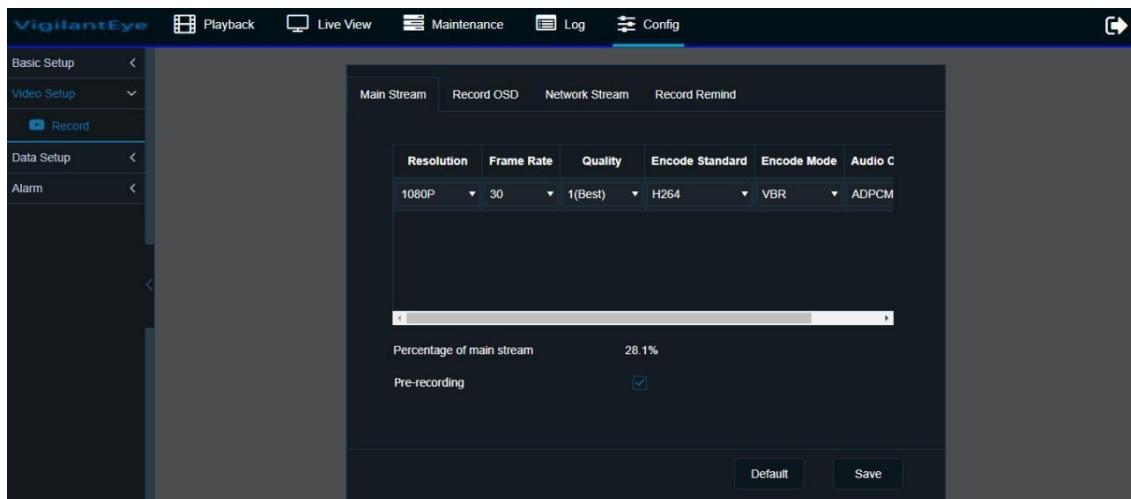
Media server IP default is: 21093

5.1.7. Application setting



5.2. Video setting

5.2.1. Main stream

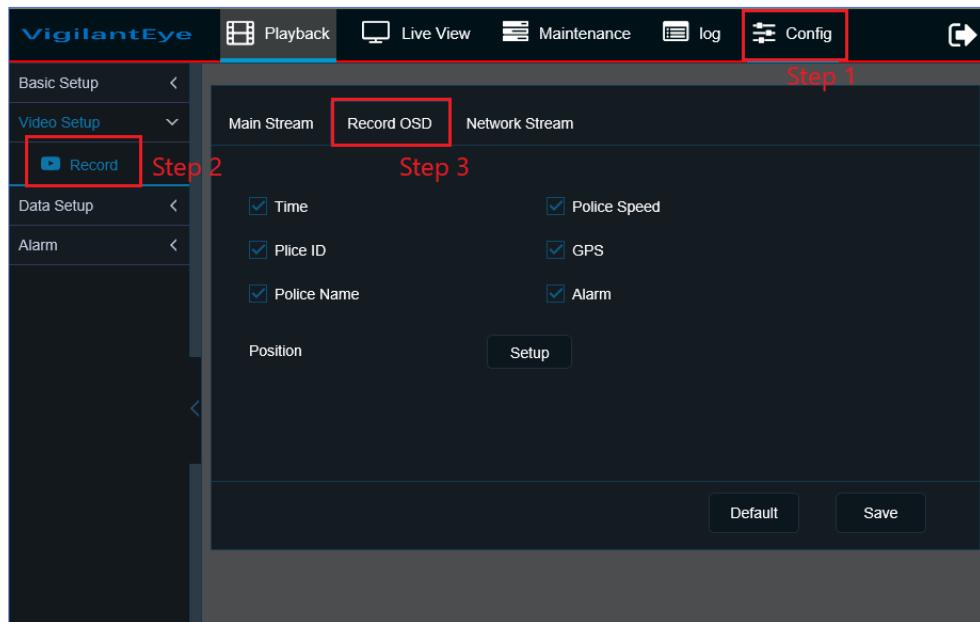


You can set resolution, frame rate, picture quality, encoding format, encoding mode, audio mode.

You can enable or disable video prerecording.

Need press the Default button to change the configure!

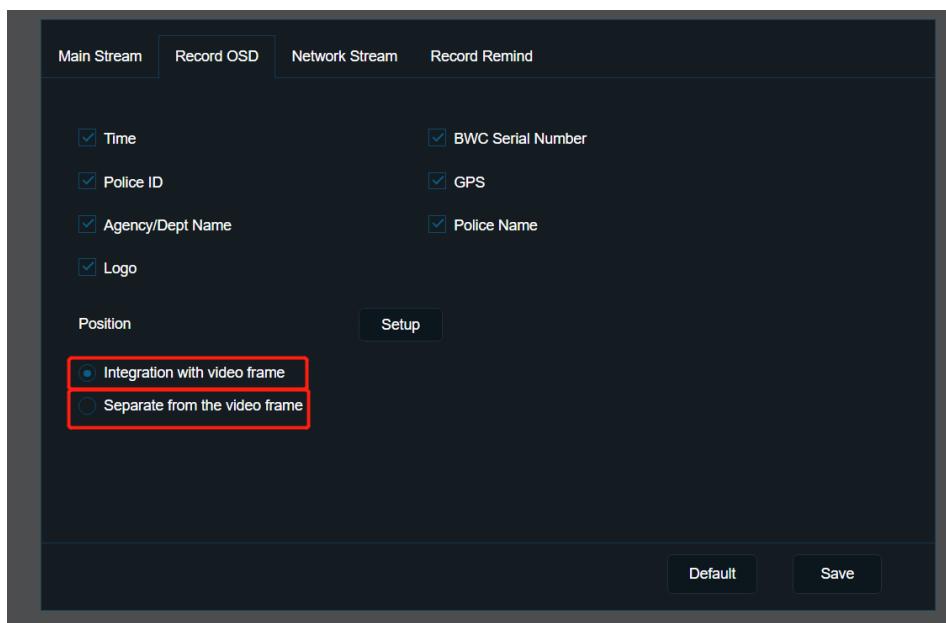
5.2.2. Record OSD(V1.7)



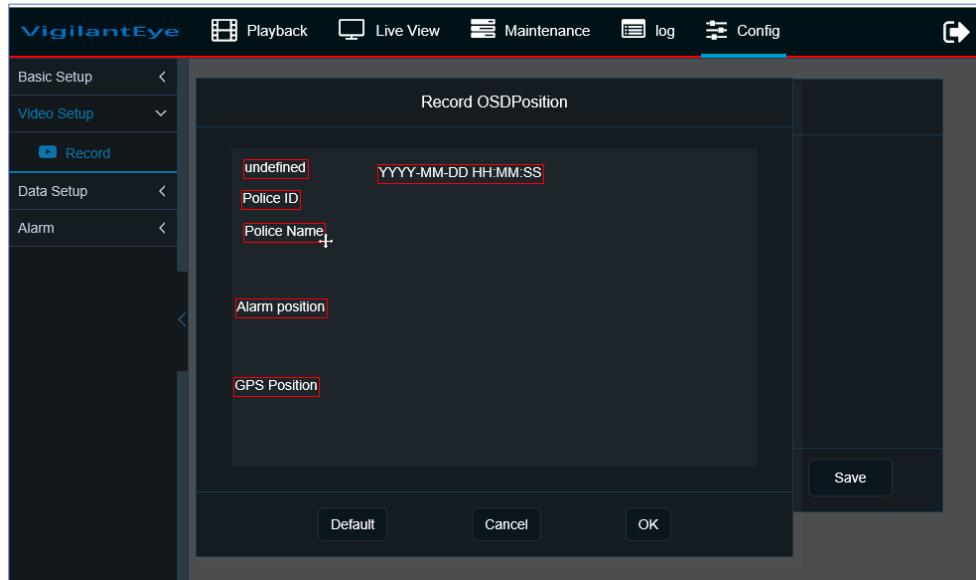
On V1.7, support two different OSD:

Integrate with video frame: The OSD will keep always display on the video, can't hide.

Separate from the video frame: OSD will no show when playback on the browser, and can choose to show or hide the OSD when playback the video from VEMS.



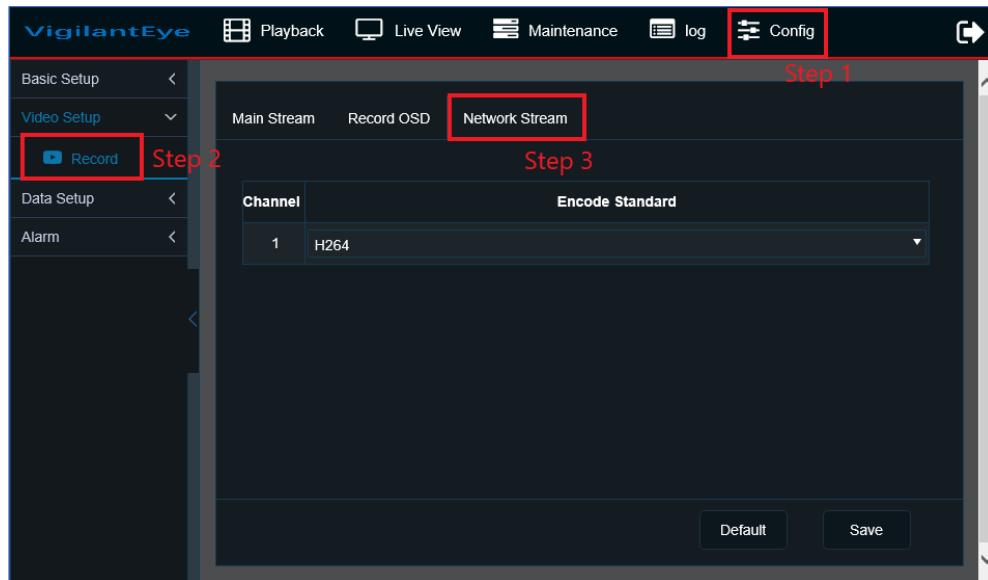
Can choose the OSD position on the image.



Remember to click the Save.

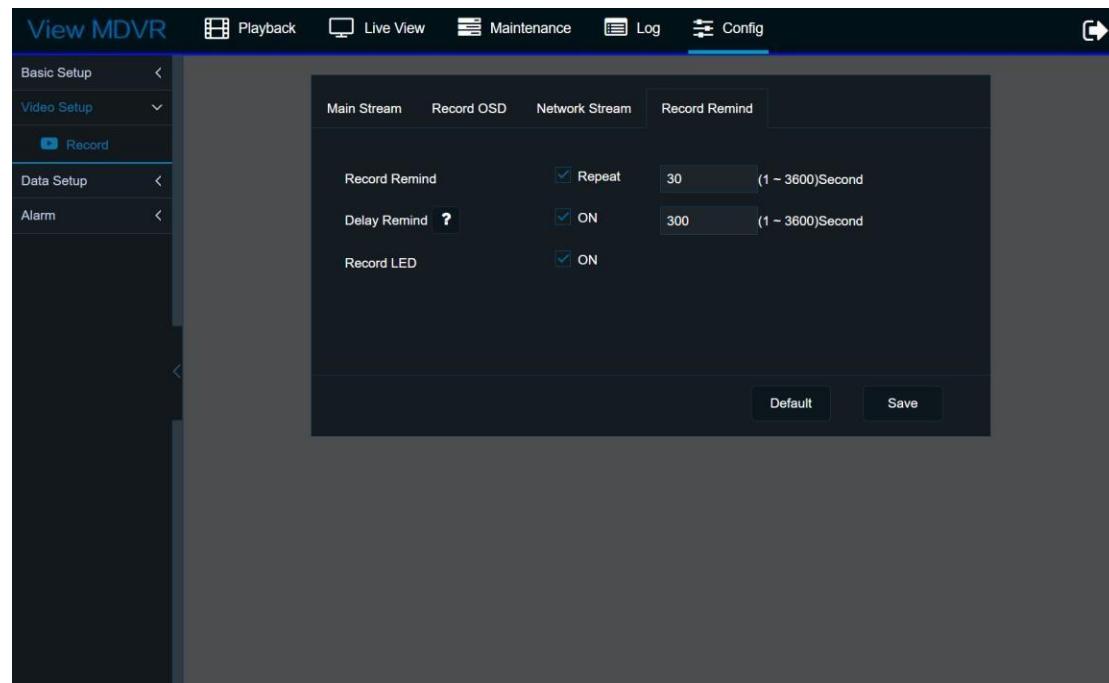
5.2.3. Network stream

The network stream is to be used for the VEMS remote live view.

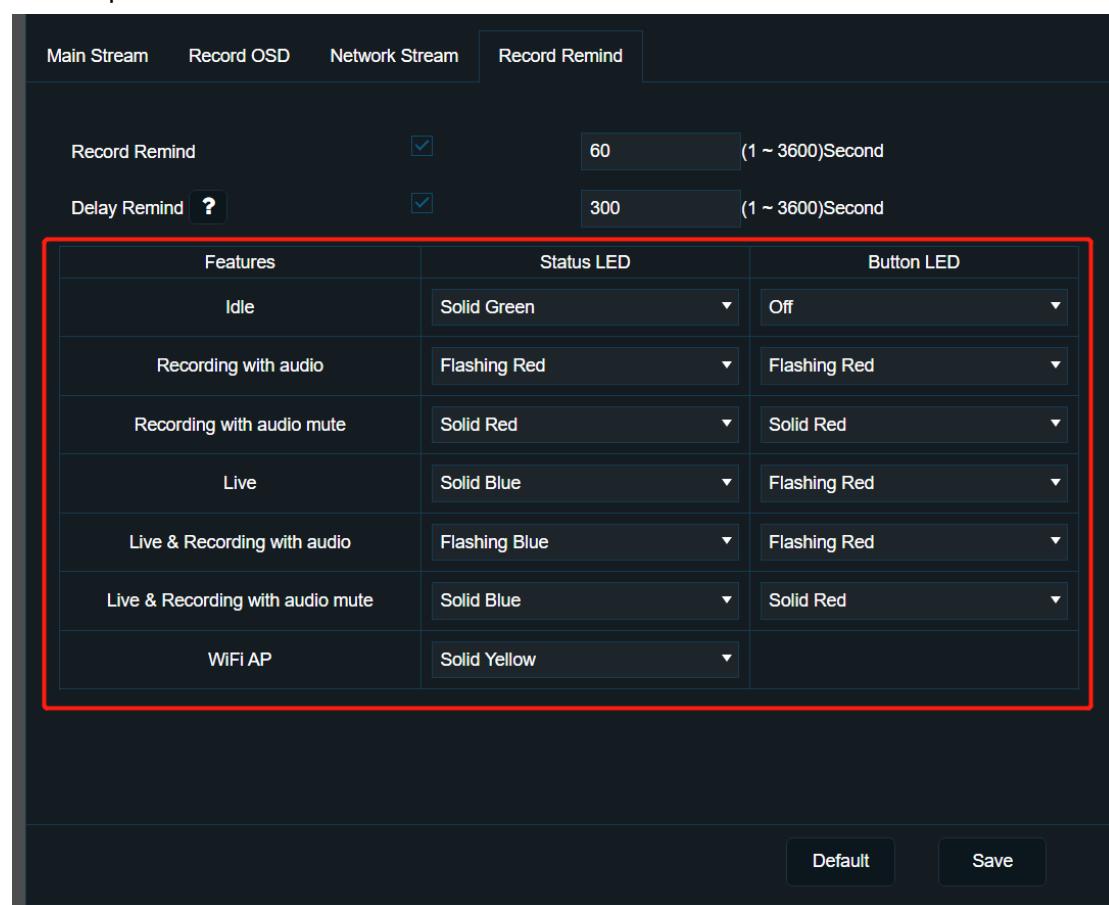


5.2.4. Record Remind(V1.7)

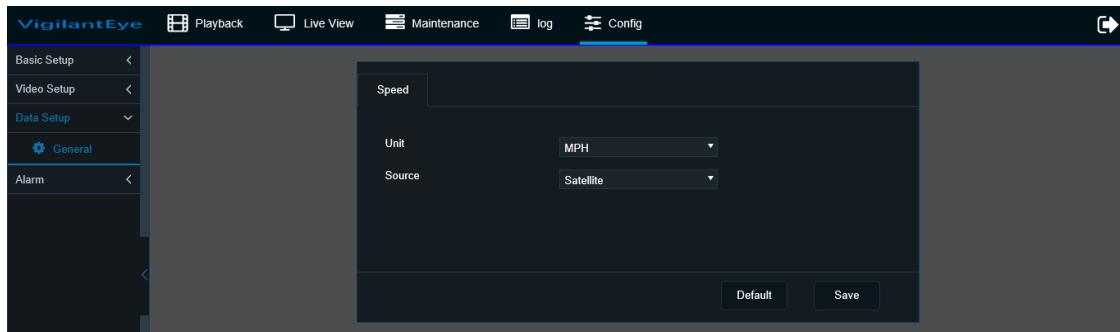
The record LED is the BWC recording button LED status.



On V1.7, we add more user defined option. The user can define the LED status on the BWC top and the front record button.



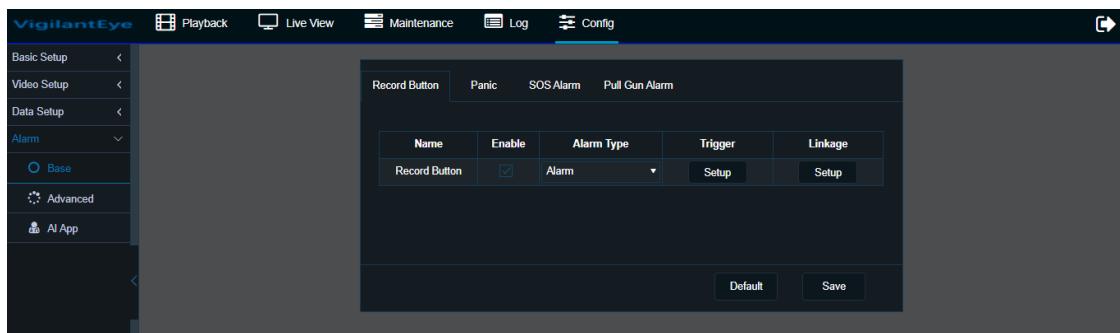
5.3. Data setting



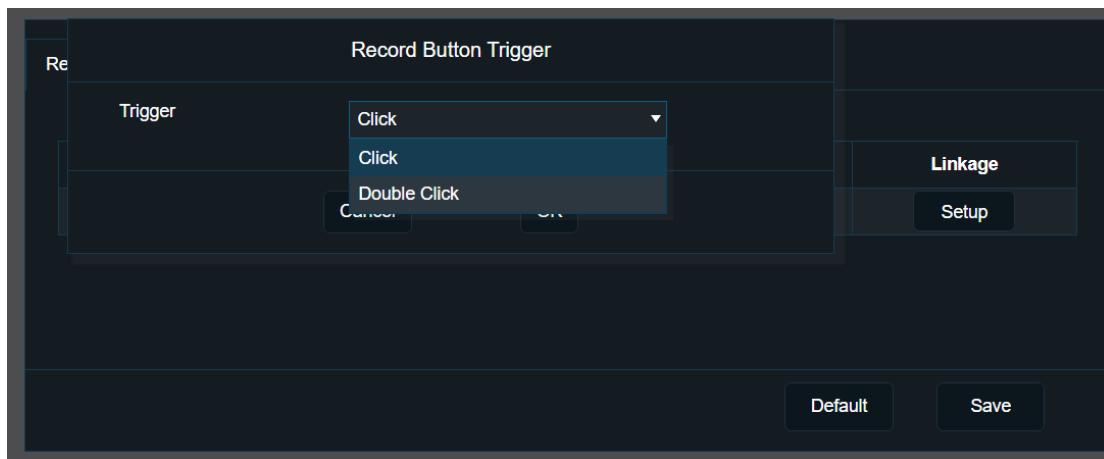
5.4. Alarm setting

5.4.1. Record Button Alarm

When the user press the BWC record button can trigger the alarm.

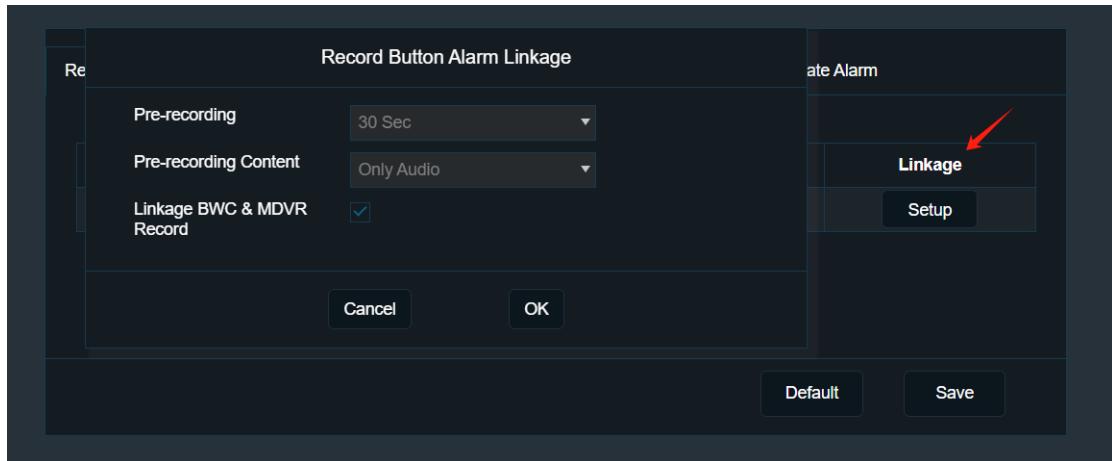


User can setup one click activate recording or double click to activate by “Trigger” setup:



Can setup the pre-recording by “Linkage” setup.

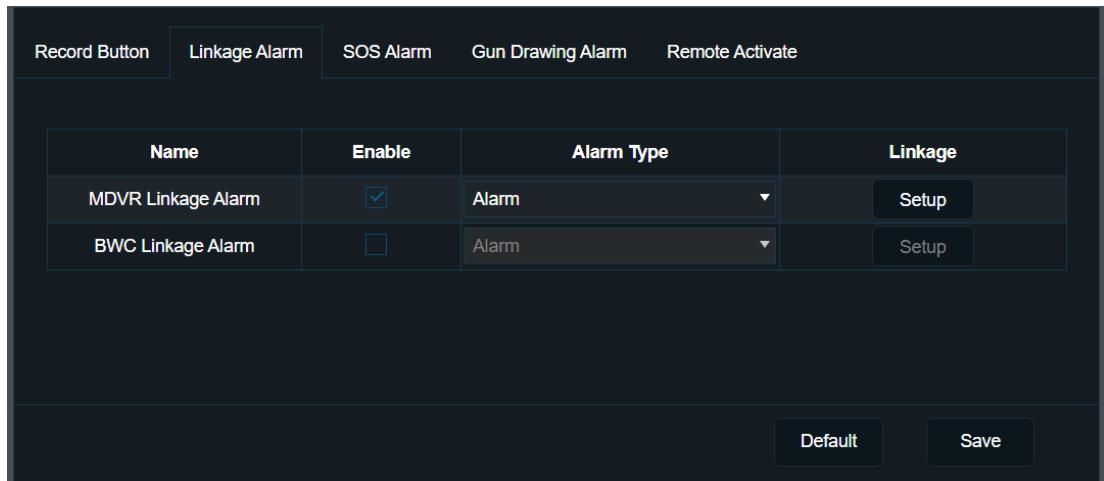
And enable the BWC linkage BWC or MDVR recording.



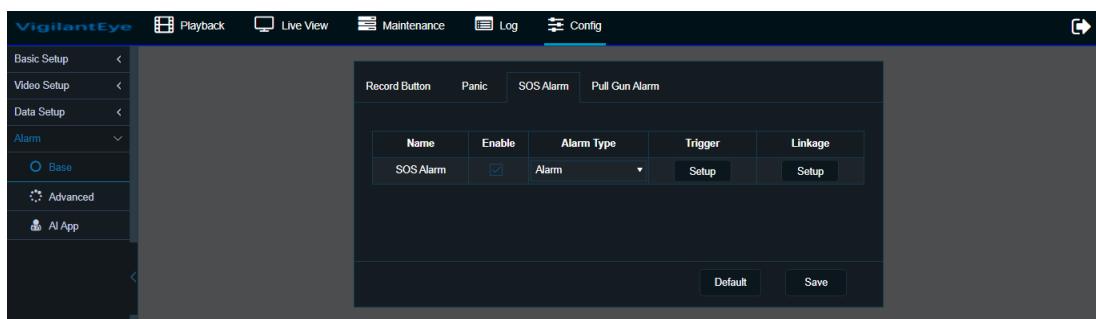
5.4.2. Linkage Alarm(V1.7)

MDVR linkage Alarm: MDVR alarm can linkage surrounding BWC recording

BWC linkage Alarm: BWC can linkage surrounding BWC recording. Only BWC Record Button alarm can linkage, other alarm will no linkage.



5.4.3. SOS Alarm



SOS Alarm Alarm Linkage

Pre-recording	30 Sec	Linkage
Pre-recording Content	Only Audio	Setup
	Only Audio	
	Only Video	
	Audio And Video	

Default Save

5.4.4. Gun Drawing Alarm

Need the G1 sensor to work with BWC to trigger the Gun drawing alarm.

Record Button	Linkage Alarm	SOS Alarm	Gun Drawing Alarm	Remote Activate								
<table border="1"> <tr> <th>Name</th> <th>Enable</th> <th>Alarm Type</th> <th>Linkage</th> </tr> <tr> <td>Gun Drawing Alarm</td> <td><input checked="" type="checkbox"/></td> <td>Alarm</td> <td>Setup</td> </tr> </table>					Name	Enable	Alarm Type	Linkage	Gun Drawing Alarm	<input checked="" type="checkbox"/>	Alarm	Setup
Name	Enable	Alarm Type	Linkage									
Gun Drawing Alarm	<input checked="" type="checkbox"/>	Alarm	Setup									
<p>Default Save</p>												

5.4.5. Remote Activate(V1.7)

This feature no support yet on VEMS.

Record Button	Linkage Alarm	SOS Alarm	Gun Drawing Alarm	Remote Activate								
<table border="1"> <tr> <th>Name</th> <th>Enable</th> <th>Alarm Type</th> <th>Linkage</th> </tr> <tr> <td>Remote Activate</td> <td><input checked="" type="checkbox"/></td> <td>Alarm</td> <td>Setup</td> </tr> </table>					Name	Enable	Alarm Type	Linkage	Remote Activate	<input checked="" type="checkbox"/>	Alarm	Setup
Name	Enable	Alarm Type	Linkage									
Remote Activate	<input checked="" type="checkbox"/>	Alarm	Setup									
<p>Default Save</p>												

5.4.6. Intense Move Alarm(V1.5)

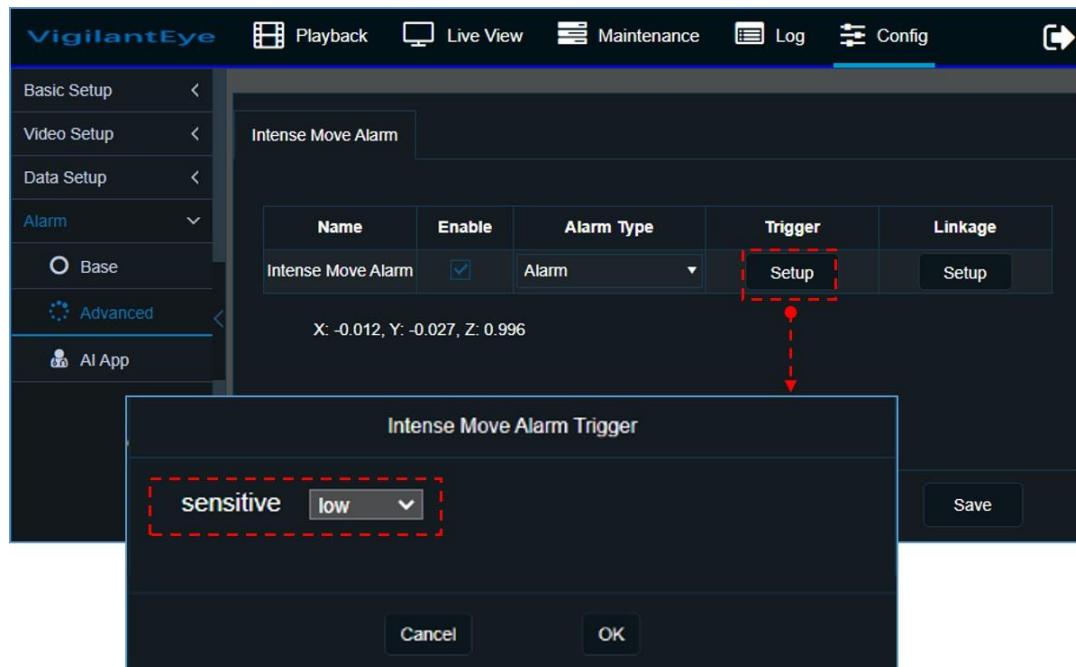
By the G-sensor detection.

The screenshot shows the Streamax VigilantEye software interface. The top navigation bar includes links for Playback, Live View, Maintenance, log, and Config. The Config link is highlighted with a red box and labeled 'Step 1'. The left sidebar shows 'VigilantEye' and a list of setup categories: Basic Setup, Video Setup, Data Setup, and Alarm. The Alarm category is expanded, showing 'Base' and 'Advanced' options, with 'Advanced' highlighted by a red box and labeled 'Step 2'. The main content area displays an 'Intense Move Alarm' configuration screen. It includes tabs for 'Fardown Alarm' and 'Intense Move Alarm', with 'Intense Move Alarm' selected and highlighted by a red box. The configuration table is titled 'Step 3' and contains the following data:

Name	Enable	Alarm Type	Trigger	Linkage
Intense Move Alarm	<input checked="" type="checkbox"/>	Event	Setup	Setup

Below the table, the coordinates 'X: 0.164, Y: -0.121, Z: 0.992' are displayed. At the bottom right are 'Default' and 'Save' buttons.

On V1.5 version, support to choose the sensitivity: Low or High.



5.4.7. Voice Alarm

BWC will detect below voice and activate the recording automatically:

- 01 Shots fired, give me help
- 02 Shots fired I have been hit
- 03 Shots fired officer down
- 04 Freeze, stand on the way
- 05 Freeze or I will shot
- 06 Freeze , don't move
- 07 Drop your gun now
- 08 Drop the gun now
- 09 Drop the gun
- 10 Drop your gun
- 11 Keep your hands up where I can see
- 12 Put your hands up where I can see
- 13 Put your hands on the ground
- 14 Put your hands on the wheel
- 15 Keep your hands on your head
- 16 Keep your hands on the lap
- 17 Get down on the ground, don't move
- 18 Get down on the ground, drop it

