



Software Operating Instructions

VDH-DK Series

V2

Notice before use

This authorization agreement of client's software/hardware is legally effective to you (individual or single machine) and our company. This agreement covers components of software/hardware, media, print, online publication and electronic files. All the application through installation, duplication or the other way must be based on this agreement. If you disagree with the terms of this agreement, please don't install or use this product. This product is protected by copyright law, international copyright treaties and other international property laws and treaties. Please note this product authorizes to you, not sold. Through the software/hardware license code on the license certificate indicates you have got the permit of use.

❖Copyright ❖

The company owns all the headers, including but not subject to the copyright, software/hardware products and any duplicates. The company reserves all the rights not expressed clearly.

❖Unsecure notes ❖

The company clearly denies warrantee repairmen of any products. Unsecure of warrantee for any kind of expressed or implied, including any documents and software products of no limit, implied warrantee repairmen or marketability, suitable for specific usage or non-infringement.

Terms and Conditions

The overall risk, is that arising out of the use or performance of software and hardware products. This product will be informed, such as when it is used with certain device or other hardware, may enable you to carry out surveillance and data processing, which may be subject to or in violation of applicable law, which includes but is not limited to data privacy, and criminal law. Please check your use to comply with applicable laws is the responsibility of users themselves.

❖ Limitation of liability ❖

The provision of this paragraph is in effect to the maximum extent permitted by applicable law. In any situation Xia, VACRON or its dealer assumed any special, and accidentally of, and indirect of, and or any indirect loss (including but not limited to business profits loss, and business interrupted, and commercial information loss, and or any other money loss of compensation) due to using or cannot using of software products or provides or failed provides appropriate of support, even we of company has is informed this class damage of possibilities. If there is no willful misconduct or gross negligence, under any provision of this agreement, VACRON total liability, shall be limited to the amount actually paid.

❖ Other conventions ❖

(A) Prohibition of reverse engineering, decompilation, splitting or rescind the contract within the scope allowed by the applicable law cannot be waived by, as well as any software and hardware components of the product.

(B) As long as the recipient agrees to the terms of this agreement, you may permanently transfer rights of use of this product.

❖ Closing remarks ❖

Without prejudice to any other rights, the company may terminate this license agreement. If you fail to comply with its terms and conditions, in which case you must destroy all copies of the software product.

Chapters

| | |
|--|----|
| A. 【Operation】 | 5 |
| 1. Mouse Operating Instructions | 5 |
| B. 【Setup Operation】 | 5 |
| C. 【Home Screen Guideline】 | 6 |
| D. 【Main Menu】 | 8 |
| 1. Backup | 10 |
| 2. Playback | 11 |
| 3. PTZ & UTC Control | 13 |
| E. 【Configuration】 | 14 |
| 1. Camera Setting | 14 |
| 2. Storage Setting | 20 |
| 3. Network | 21 |
| 4. Advanced | 25 |
| 5. Account Setting | 26 |
| 6. System Setting | 27 |
| 7. Record Setting | 31 |
| 8. System Info | 32 |
| F. 【Live Video Streaming & Playback】 | 33 |

Foreword 【Notices】



WARNING

- Do not expose the DVR under the sunlight, heat or wet environment while installation. As it could decrease the performance of DVR and damage the machine.
- Do not touch the power plug or case with wet hands as this could result electric shock.
- Do not forcedly bend or put heavy object on power cable as this could result in injury to personal or equipment.
- Do not operate with damaged power cord or loose electrical outlet as this could result in electric shock or accident.
- Please use individual power instead of share electrical outlets with other electrical equipment as this could result in damage or accident.
- Do not attempt to service this DVR by yourself as it may expose you to dangerous voltage or other hazards. Please refer all service to the qualified servicing distributor.
- Please do not remove the machine housing during operation. It may cause electric shock or accidental injury.



CAUTION

- Do not place the machine on an uneven surface or it would decrease the DVR efficiency or malfunction.
- Avoid any shock or bumping of the DVR while recording.
- Improper handling could damage the system.

| | | |
|---|----------------|--|
| | CAUTION | |
| Make sure the voltage selector switch is set to appropriate setting before plug in! | | |

A. 【Operation】

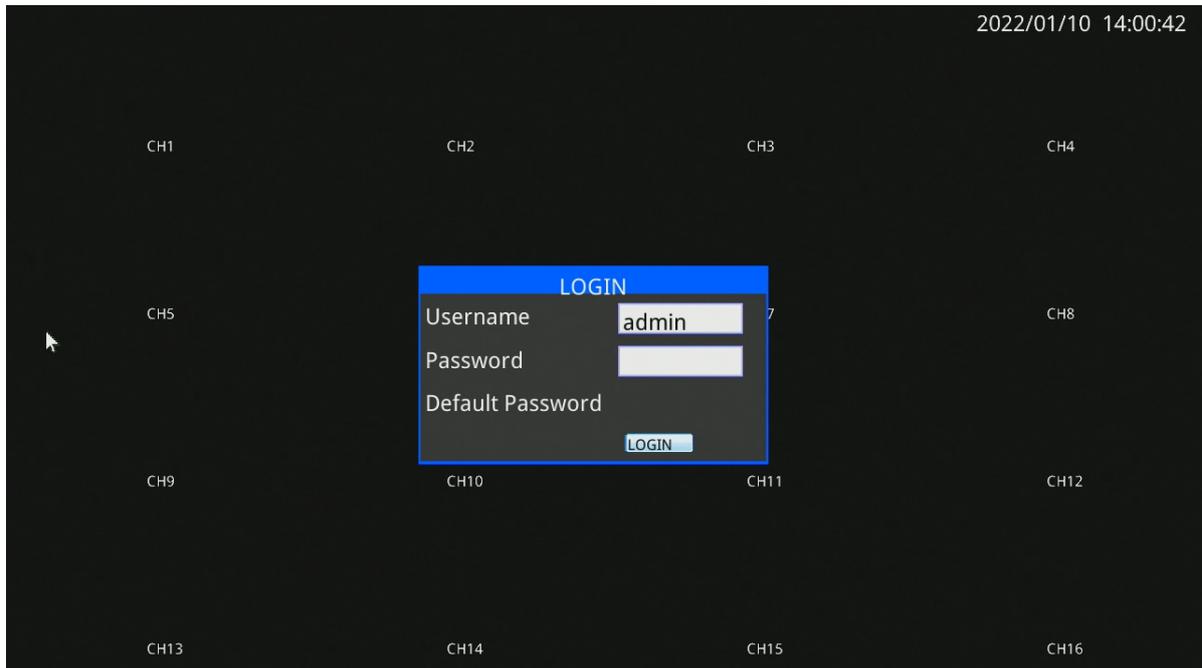
The system supports mouse operation

1. Mouse Operating Instructions

- 1). [Right] click when the screen can be turned on instantly monitor function setting menu.
- 2). In Menu mode [Left] click, you can enter the selected item menu.
- 3). You can use [Left] to change setting values.

B. 【Configuration】

Enter the USER NAME and PASSWORD to access the system.
Admin's default password is generated by password generator.
For other user, please go Account setting page.



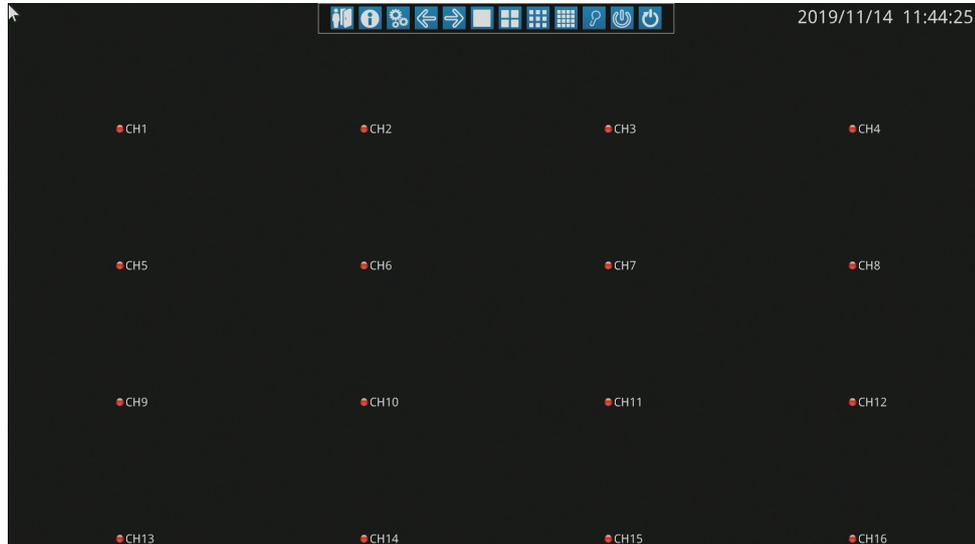
Click the PASSWORD, the keyboard is appeared.

| ICON | DESCRIPTION |
|---|---------------------------------------|
|  | Pop-up login password |
|   | Change Capital Letter or Small Letter |
|  | Space |
|  | DELETE last letter |
|  | Valid the input or exit the keybaord |

C. 【 Home Screen Guideline 】

Home Screen Guideline- Tool Bar, Main Menu and Configuration.
Move up the mouse, you will see the related Quick icon pop-up as below.

Tool Bar :

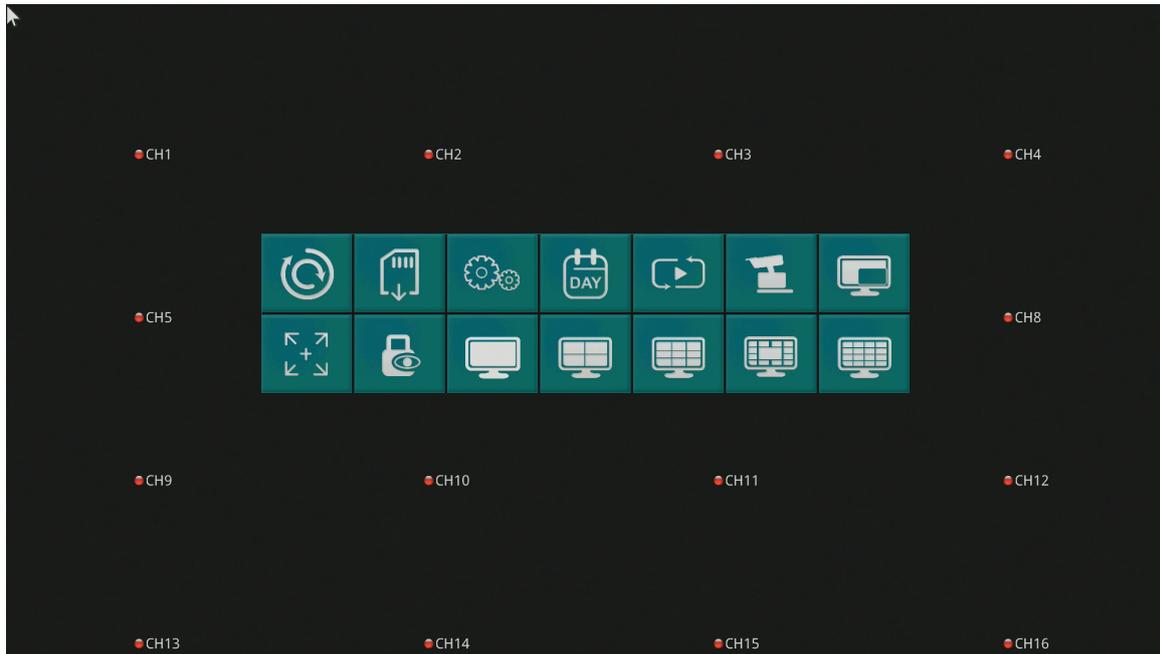


Tool Bar Description :

| ICON | Description |
|---|-------------|
|  | Logout |
|  | System Info |

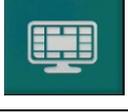
| | |
|---|---|
|  | Main Menu |
|  | Previous Page |
|  | Next Page |
|  | Single Screen Mode |
|  | Quad Screen Mode |
|  | Nine split Screen Mode |
|  | 16 split Screen Mode |
|  | Password forget, please click the icon and sent it to distributor for temporary login password. |
|  | Power off |
|  | System Reboot |

D. 【Main Menu】



Main Menu Description-

| Icon | Description |
|---|--|
|  | Cruise, After click this icon, it will cruise sequentially as it set on the view setting |
|  | Backup, use USB sticker to backup footage. |
|  | Configuration |
|  | System Log |
|  | Playback |
|  | PTZ & UTC Operate |
|  | PIP Display |

| | |
|---|---|
|  | Zoom in |
|  | Freeze, live view will freeze when it is enabled. |
|  | Turn to Full Screen Mode |
|  | Turn to Quad Screen Mode |
|  | Turn to 9 Split screen mode |
|  | Turn to 13 split screen mode |
|  | Turn to 16 split screen mode |

1. Backup



: Click Backup button.

The image displays two screenshots of the 'BACKUP' interface. Both screenshots show a 'CHANNEL' selection bar with 16 channels (1-16). The top screenshot shows the 'SET START TIME' and 'SET END TIME' fields set to '2021 /12 /24 - 15:04', and the 'Backup Type' dropdown set to 'MP4'. The bottom screenshot shows the 'SET START TIME' and 'SET END TIME' fields set to '2021 /12 /24 - 15:04', and the 'Backup Type' dropdown set to 'SD File'. Both screenshots show a 'BACKUP START' button, a 'USB: 6.1G/ 28.5G' status indicator, and 'REFRESH' and 'Remove USB' buttons.

CHANNEL : Select the CH which you want to bakcup

SET START TIME : Select the start time

SET END TIME : Select the end time

Backup Format: MP4 or .sd files Format Backup. Note 1

BACKUP START : Insert your USB Drive & start to backup

Note: USB Drive must be in FAT32 format. Max. footage time is 60 min. And will be saved on 2 files each of them is 30 min.

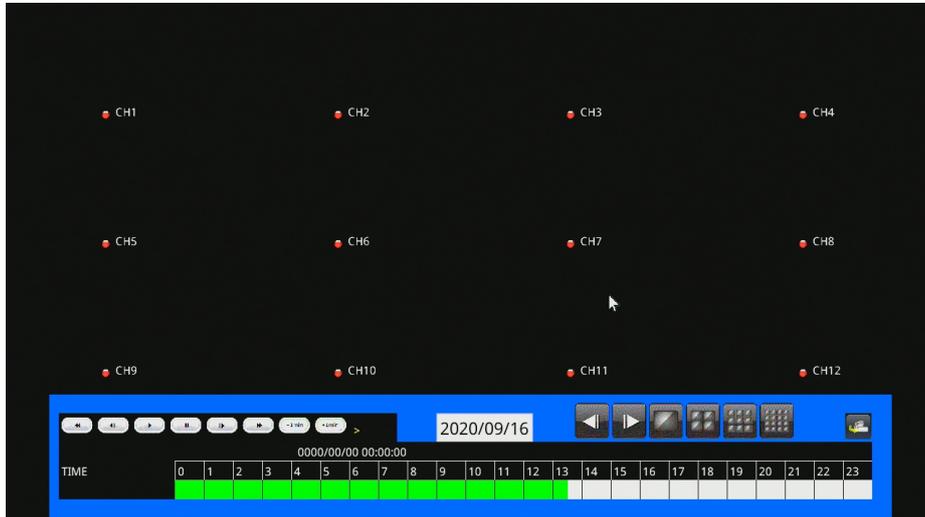
Note 1: .sd files is the default format dedicated player software is required for playback.

2. Playback



: Click to enter playback page

Click green time bar for minute bar. Click the icon **Back to 24 Hours** to get back to the hour time bar.

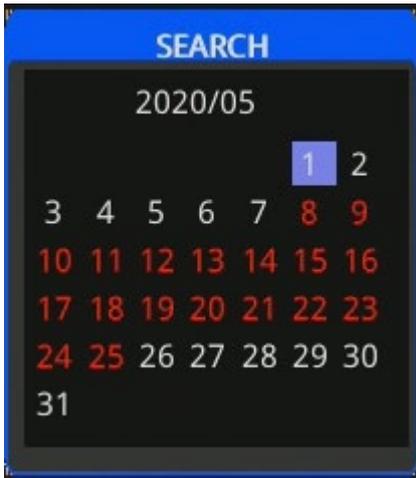


(Figure 1)



(Figure 2)

Click **2019/10/24** · the calendar will popup, first select the day, after select, you will see the time bar. Click the Hour and minute with Green color to start playback.



(Figure 3)

Time bar to select Hour and Minute for quick search.

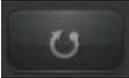
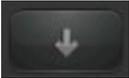
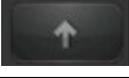
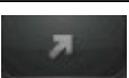
Function Description

| Icon | Description | Icon | Description |
|------|---|------|------------------------|
| | Previous page in full screen/Quad/9 Split | | Playback |
| | Next page in full screen/Quad/9 Split | | Stop |
| | Full Screen | | Fast Rewind |
| | Quad | | Fast Forward |
| | 9 Split | | Previous Frame |
| | 16 Split | | Next Frame |
| | Live | | Previous Minute search |
| | | | Next minute Search |

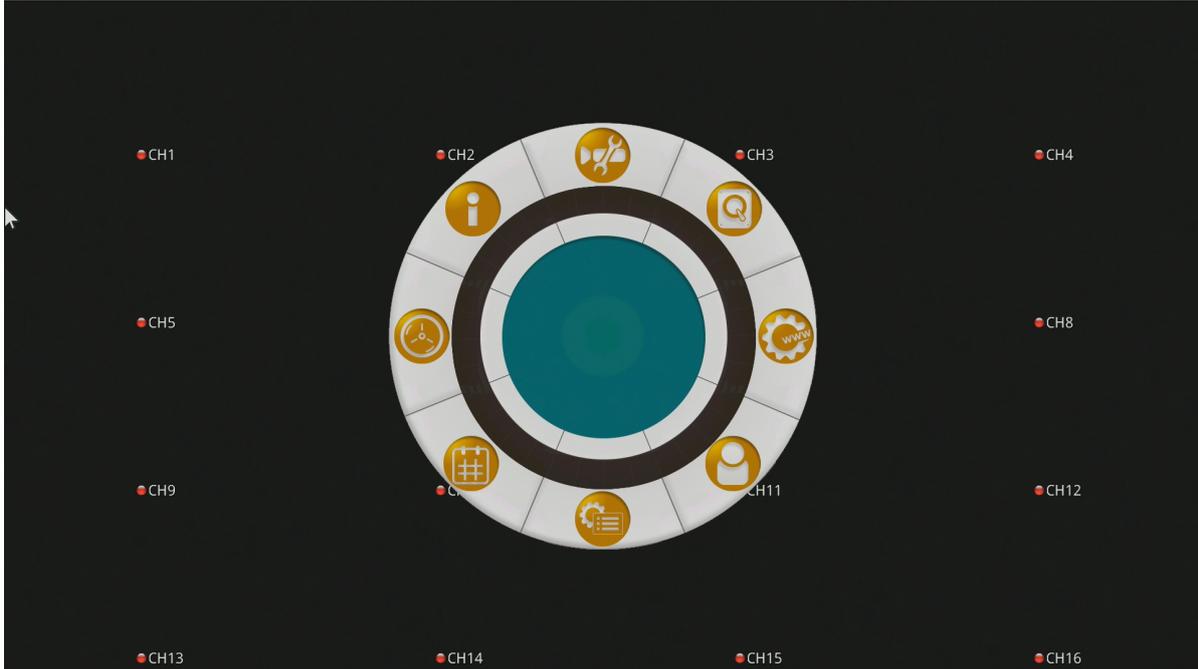
3. PTZ & UTC Control



: to enter PTZ and UTC by a click on this icon

| ICON | DESCRIPTION |
|---|-------------------|
|  | Select PTZ Camera |
|  | Move Down |
|  | Move UP |
|  | Move Left |
|  | Move Right |
|  | Move left up |
|  | Move right up |
|  | Move left down |
|  | Move right down |
|  | Zoom in |
|  | Zoom out |
|  | Focus Far |
|  | Focus Rear |

E. 【 Configuration 】



1. Camera Setting



: Camera Setting

Camera Setting

SETUP
STREAM
COLOR
MOTION
SEARCH
PTZ

| | |
|----------|---|
| CHANNEL | <input style="width: 90%;" type="text" value="CH 1"/> |
| CAM Type | <input style="width: 40%;" type="text" value="DVR AUTO"/> <input style="width: 15%; text-align: center;" type="button" value="v"/> <input style="width: 40%;" type="text" value="AUTO"/> <input style="width: 15%; text-align: center;" type="button" value="v"/> (Curr: 1080P) |
| TITLE | <input style="width: 90%;" type="text"/> |

1) Setting:

1.Channel:to select CH1~CH16

2.CAM Type:to select Auto,D1,720P,1080P,5MP,Vacron and ONVIF.

Camera format options AUTO,AHD,CVI and TVI are available in case of AHD picture quality not as expected.

3.Camera Name: Maximum of 20 English alphabets and numbers or 10

Chinese characters. Type in Chinese characters via IE browser.

4.Click Apply to save the configuration.

Select IPCAM in CAM Type mode :

2) VACRON Type :

Select Vacron to connect Vacron IP Cameras. IP address of the camera can be typed in and click the icon Save to keep the configuration.

The screenshot shows a 'Camera Setting' window with a blue header. Below the header are several tabs: 'SETUP', 'STREAM', 'COLOR', 'MOTION', 'SEARCH', and 'PTZ'. The 'SETUP' tab is currently selected. The main area contains a list of configuration items:

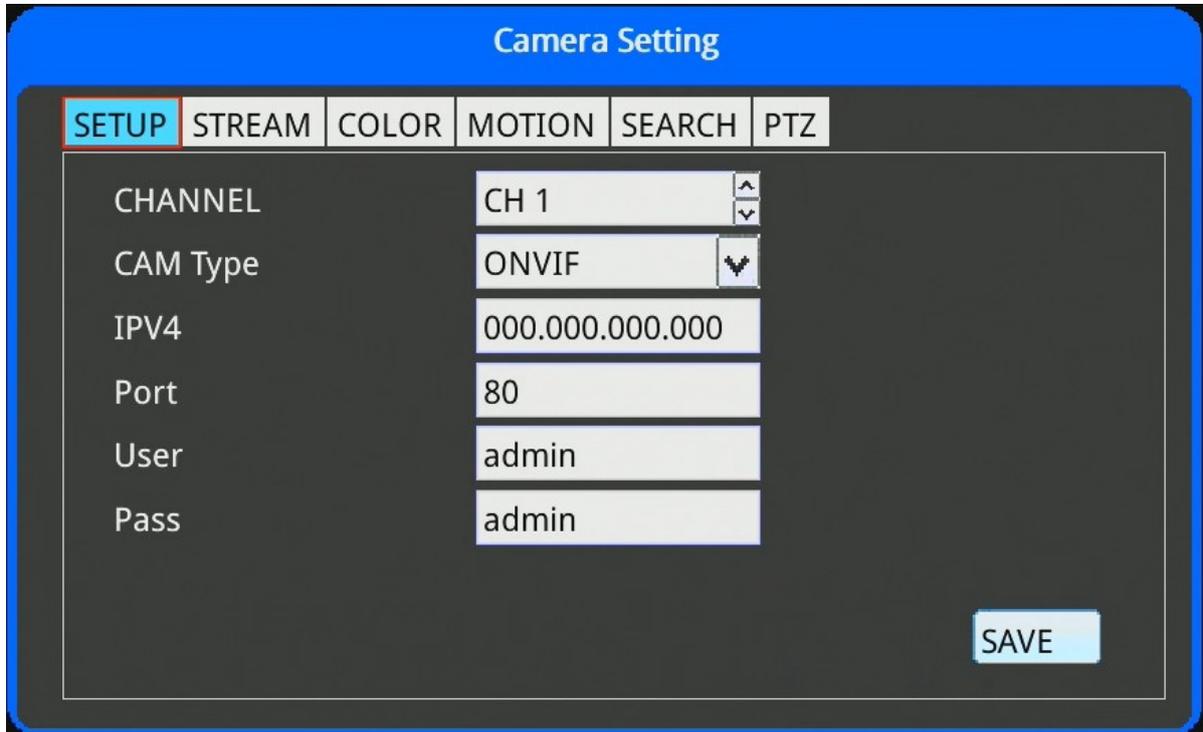
| | |
|----------|-----------------|
| CHANNEL | CH 1 |
| CAM Type | Vacron |
| IPV4 | 000.000.000.000 |
| Port | 80 |
| User | admin |
| Pass | admin |

A 'SAVE' button is located at the bottom right of the configuration area.

Note : VACRON is the default IPC.

3) ONVIF Type :

Camera type set to ONVIF is to connect other brand name cameras. Enter the camera's IP address and click the icon Save to keep the configuration.



4) Video :



- a) CHANNEL: select CH1~CH16
- b) MAIN FRAMERATE : select 1 ~ 15 fps
- c) MAIN BITRATE: select 256Kbps,512Kbps,1024Kbps,2048Kbps,3072 Kbps,4096 Kbps.
Default =4096Kbps
- d) SUB FRAMERATE: select 64Kbps, 128Kbps, 192Kbps, 256Kbps ;
Default= 256Kbps
- e) Save after complete.

5) Colors :

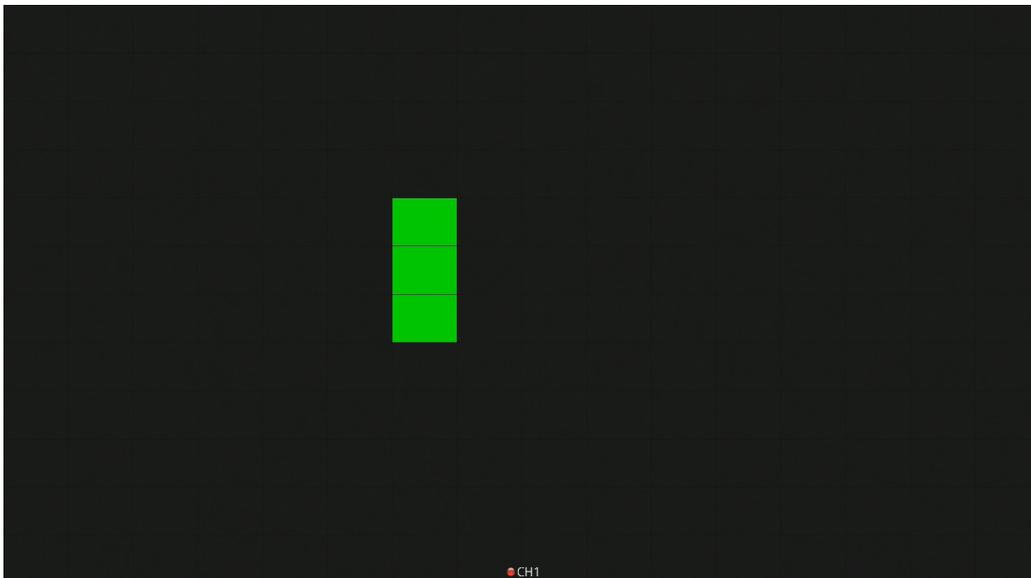


Adjust colors for each output channels then click save.

6) Motion Detection :

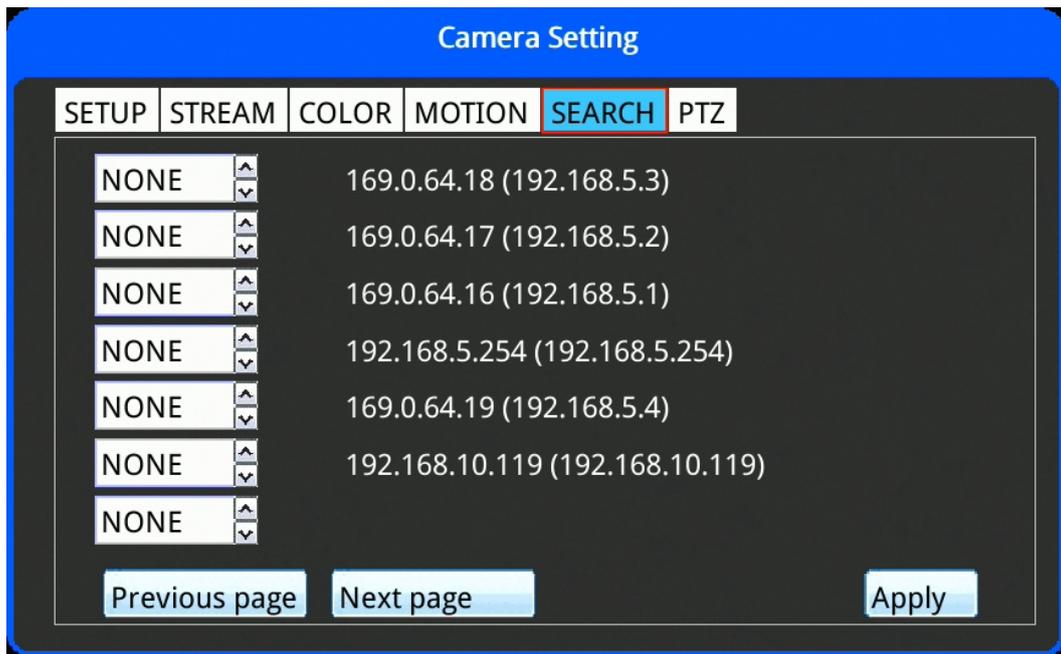


Each frequency can be turned on with motion detection and sensitivity adjustments, click the zone after a pre-set selection to trigger motion detection area



Green Color means Motion Detection Area, after setup, please click the right button of mouse to exit the motion detection setting.

- 7) Search : Click Search to get a list of the cameras that are connected to the DVR.



Note : Valid only with searching VACRON's IP camera.

- 8) PTZ Setting :

CHANNEL: Select the channel with PTZ connection

PTZ ID: Select ID of the PTZ

Protocol: Select protocol PELCO-D

Baud rate: Select PTZ Baud rate 2400, 4800, 9600

Click Storage to keep the configuration



2. Storage Setting



: HDD/Storage Setting

Storage Setting

| CHECK | MODEL | TYPE | STATUS | TOTAL (GB) | USED (GB) |
|---|------------|------|--------|------------|-----------|
| <input checked="" type="radio"/> <input type="radio"/> | ST6000VX00 | vfat | GOOD | 5588.50 | 5588.75 |

FORMAT

LAST TIME FORMAT 2020/04/17 16:54:21

REFRESH

FORMAT

: Select the HDD, click the button to format Hard Disk.

REFRESH

: Click the icon to refresh HDD detection when system fails to detect the HDD.

3. Network



: Network Setting

1) CONNECT

1.1) Select STATIC

| NETWORK | |
|--------------------------------------|---|
| CONNECT DDNS Wi-Fi Advanced | |
| HOSTNAME | <input type="text"/> |
| MODE | STATIC <input type="button" value="v"/> |
| IPV4 | 192.168.001.220 |
| NETMASK | 255.255.255.000 |
| GATEWAY | 192.168.001.001 |
| DNS1 | 008.008.008.008 |
| DNS2 | 168.095.001.001 |
| <input type="button" value="Apply"/> | |

- a) HOSTNAME: Edit host name, default as blank
- b) MODE: STATIC, DHCP, PPPOE, Default= DHCP
- c) IPV4: Enter your IP address here, default is 192.168.1.111
- d) NETMASK: Enter your Subnet Mask here, default is 255.255.255.0
- e) Gateway: Enter your Gateway here, default is 192.168.1.1
- f) Save to exit

1.2) DHCP

The screenshot shows the NETWORK configuration page with the following settings:

| NETWORK | |
|--------------------------------------|---------------------------------------|
| CONNECT DDNS Wi-Fi Advanced | |
| HOSTNAME | <input type="text"/> |
| MODE | DHCP <input type="button" value="v"/> |
| IPV4 | 192.168.010.054 |
| NETMASK | 255.255.240.000 |
| GATEWAY | 192.168.010.098 |
| DNS1 | 008.008.008.008 |
| DNS2 | 168.095.001.001 |
| <input type="button" value="Apply"/> | |

You must connect to a router before activating DHCP, this will allow the router to assign an unique IP to your DVR. Save to exit after configuration.

1.3) PPPOE

The screenshot shows the NETWORK configuration page with the following settings:

| NETWORK | | | |
|--------------------------------------|--|----------|----------------------|
| CONNECT DDNS Wi-Fi Advanced | | | |
| HOSTNAME | <input type="text"/> | | |
| MODE | PPPOE <input type="button" value="v"/> | | |
| IPV4 | 192.168.010.054 | ACCOUNT | <input type="text"/> |
| NETMASK | 255.255.240.000 | Password | <input type="text"/> |
| GATEWAY | 192.168.010.098 | | |
| DNS1 | 008.008.008.008 | | |
| DNS2 | 168.095.001.001 | | |
| <input type="button" value="Apply"/> | | | |

- a) Username: Enter your PPPOE user name from your ISP
- b) Enter your PPPOE password from your ISP
- c) Click Apply after setting done

Note: Dial-up IP address comes up on IPV4

2) DDNS

The screenshot shows a web-based configuration interface for DDNS. At the top, there is a blue header with the word "NETWORK" in white. Below the header, there are four tabs: "CONNECT", "DDNS", "Wi-Fi", and "Advanced". The "DDNS" tab is selected and highlighted with a red border. A mouse cursor is pointing at the "DDNS" tab. The main content area is dark gray and contains the following fields:

- DDNS**: A dropdown menu set to "DISABLE".
- TYPE**: A dropdown menu set to "CCTVDVR".
- HOST**: A text input field containing "my-id.cctvdvr.com.tw".
- ACCOUNT**: A text input field containing "my-id".
- Password**: An empty text input field.

In the bottom right corner of the configuration area, there is a blue "Apply" button.

- a) DDNS : Default is off
- b) TYPE : CCTVDVR 、 NO-IP 、 DynDns
- c) HOST : Enter your DDNS address
- d) ACCOUNT : Enter your username from your DDNS provider
- e) PWD : Enter your password from your DDNS provider
- f) Save to exit

3) Wi-Fi

NETWORK

CONNECT | DDNS | **Wi-Fi** | Advanced

Wi-Fi Enable

MODE AP ▼

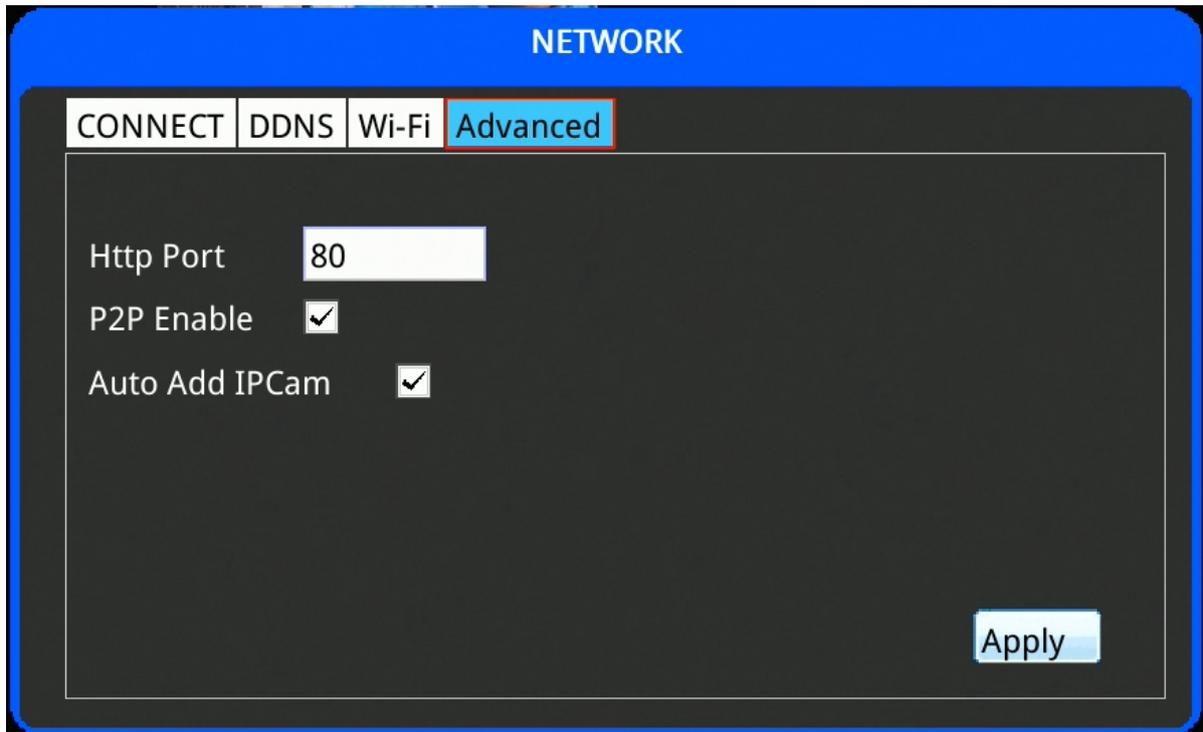
SSID SSID-985160

Password *****

Apply

1. Wi-Fi Enable: default option tick to enable WiFi.
 2. Mode: Client option is to be selected instead of AP to enable Wi-Fi.
 3. SSID: SSID is required for Router wireless connection.
 4. Password: password is required for Router wireless connection.
 5. Click Apply to save the configuration.
- Note: TL-WN823N is the WiFi dongle model in use.

4. Advanced



- 1.Http Port : Default 80 port and can be changed
- 2.P2P Enable : Enable for P2P remote surveillance (Default)
- 3.Auto Add IPCam: VACRON IPCam is the compliance device the tick can be removed.
- 4.Save to exit

5. Account Setting



: Account Setting

Account Setting

User

Username

Password

| CHANNEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | <input checked="" type="checkbox"/> |

- a)USER: ADMIN or USER1~9
- b)ADMIN NAME: admin
- c)ADMIN PWD: Default ADMIN Password is random number
Default password is to be replaced by the new one.
- d)CHANNEL: to black out live view and playback channel for USER.
Cannot black out ADMIN.
- e)Save to exit

6. System Setting



: System Setting

1) Date & Time:

a) Current time: Display/Revise the Date/Time

b) Adjustment: MANUAL or NTP

c) Local NTP server is required for NTP time adjustment type.

Please select your time zone.

d) Save & Exit.

e) CONFIG DATE/TIME: date and time can be changed manually.

The screenshot shows the 'System Setting' window with the 'DATETIME' tab selected. The interface is dark-themed with white text and input fields. The 'DATETIME' tab is highlighted in blue. Below the tabs, there are four rows of settings:

| Setting | Value |
|------------------|------------------------|
| CURRENT TIME | 2021/12/24 13:18:57 |
| TIMEZONE | 8 |
| TIME ADJUST TYPE | MANUAL |
| CONFIG DATE/TIME | 2021 /12 /24-13: 18:57 |

An 'Apply' button is located in the bottom right corner of the settings area.

2) Display :

a) BRIGHTNESS: 0 ~ 100, factory default=60

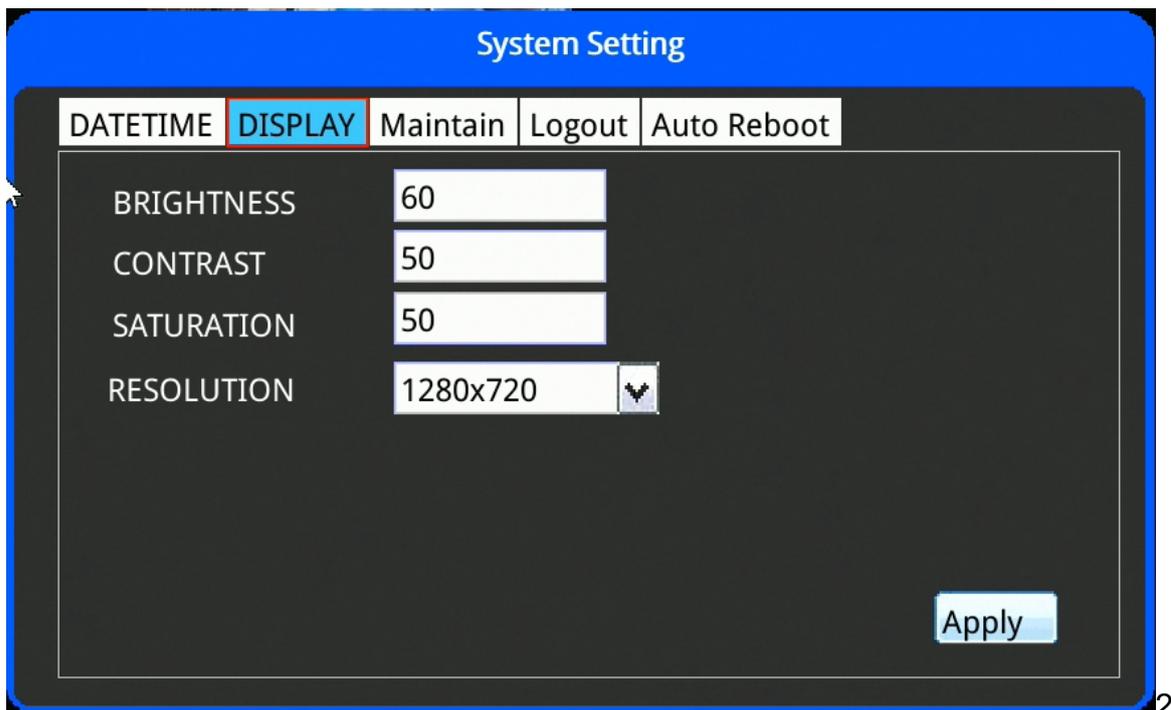
b) CONTRAST: 0 ~ 100, factory default=50

c) SATURATION: 0 ~100, factory default=50

d) RESOLUTION: 1280x720 and 1920x1080 (System reboot after modification)

e) SAVE & EXIT

Attention : After Click the Save, the new setting will be applied.



3) Maintain :

a) Language : English, Traditional Chinese, Simple Chinese and Japanese.

b) Audio Source : Option for local and camera

Note : Audio cable is required for local DVR.

Camera with built-in microphone can transmit audio.

c) SAVE & EXIT

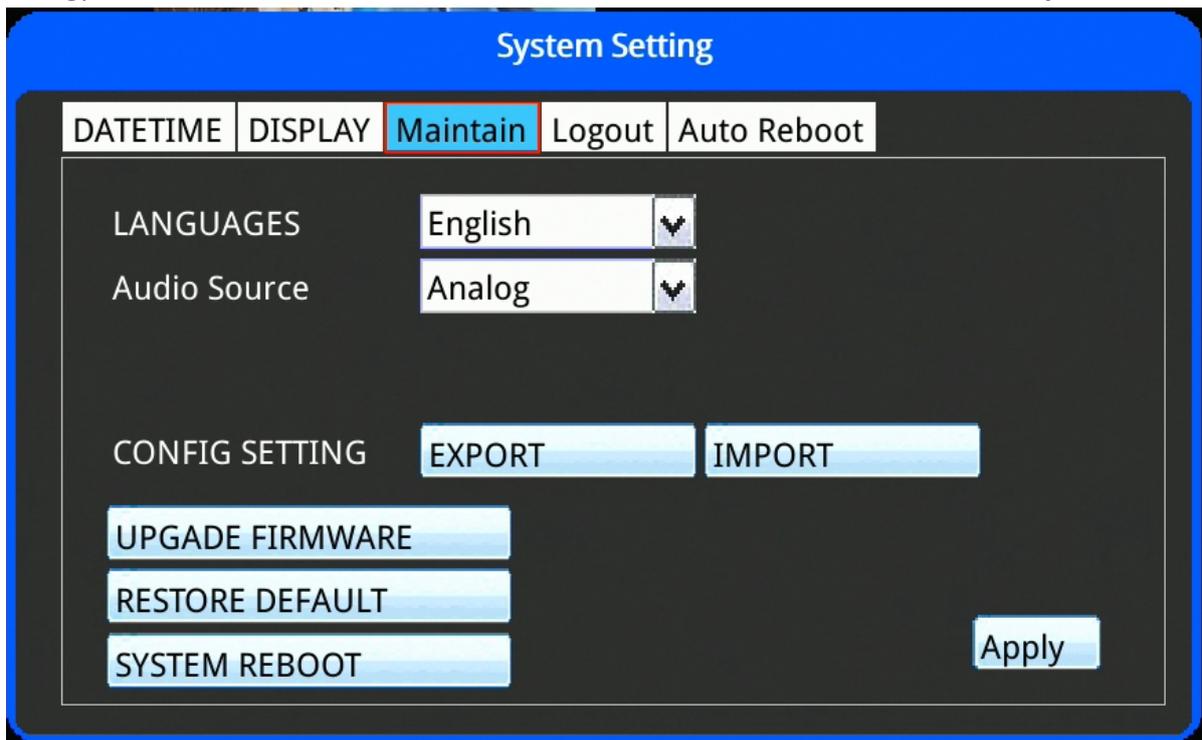
d) CONFIG SETTING : Export and Import DVR configuration

e) UPGRADE FIRMWARE : Save the updated firmware on USB sticker, click this icon to make upgrading.

Attention ! During system upgrading, don't power off or remove the USB sticker which will cause DVR un-recoverable damage.

f) RESTOR DEFAULT : Click this icon to restore the setting to factory default.

g) SYSTEM REBOOT : Click this icon, DVR will reboot immediately.

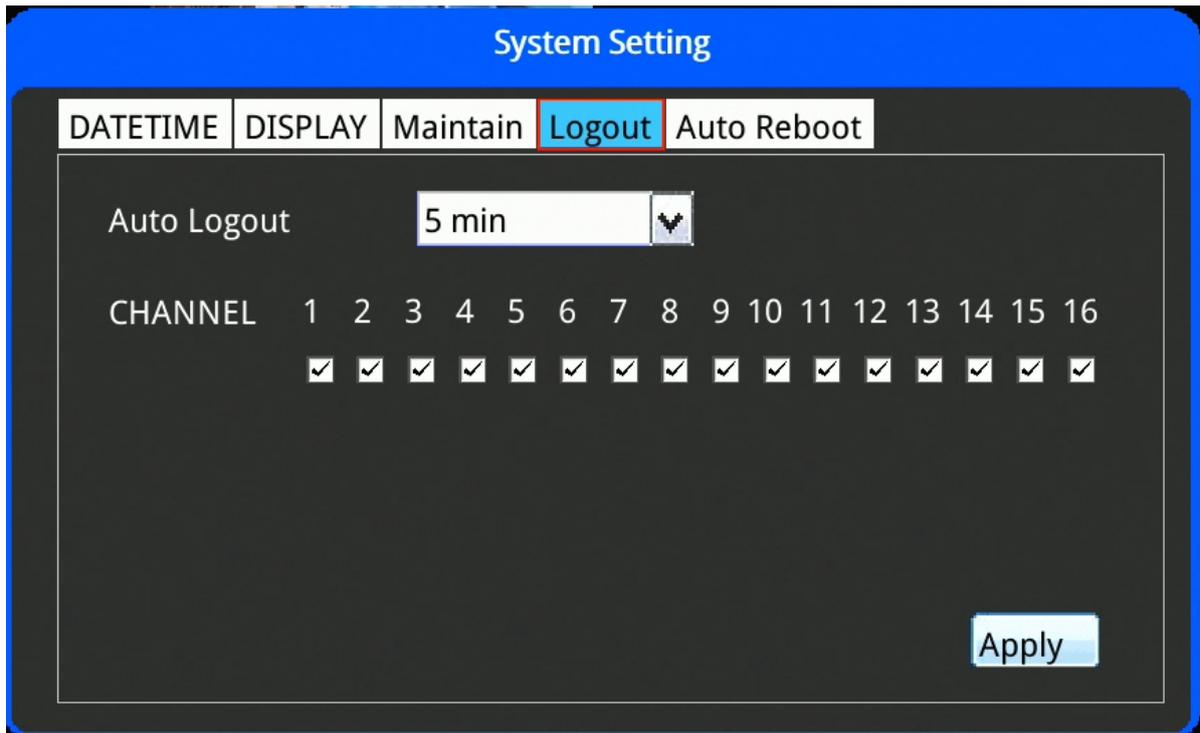


4) Logout

a) Auto logout : Never, 5min, 10min, 30min, Default setting is 5 min.

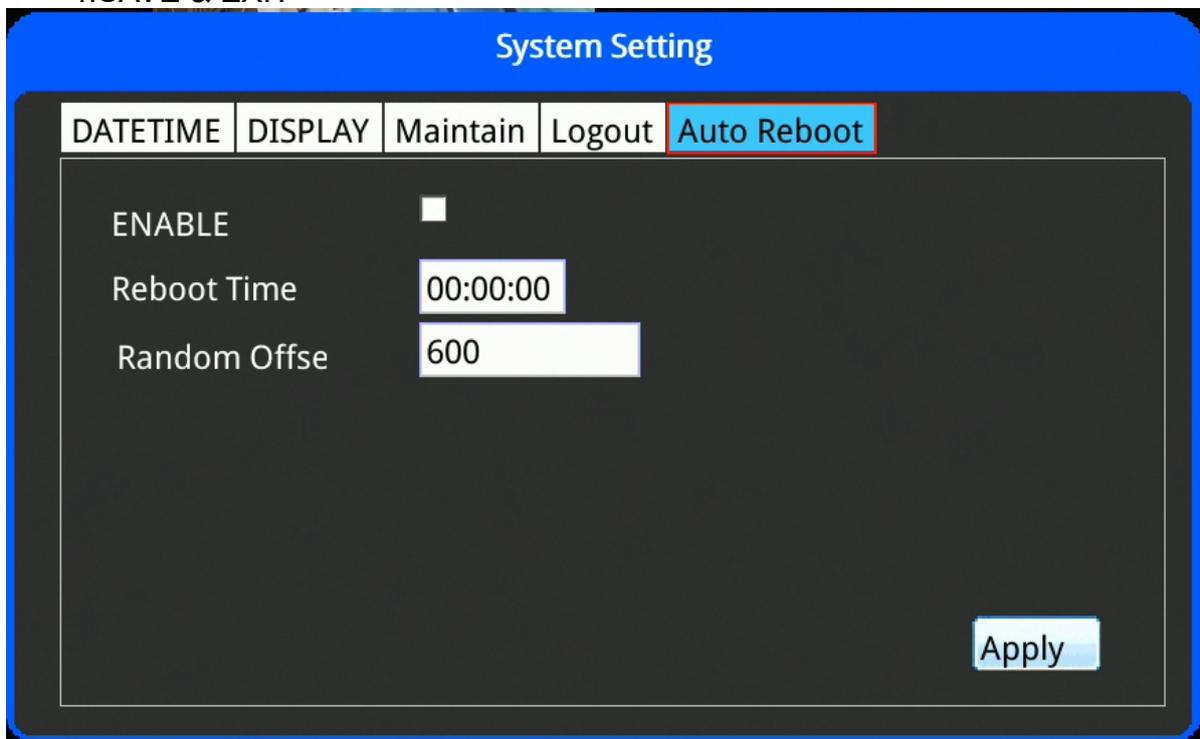
b) CHANNEL: to black out channel after logout.

c) SAVE & EXIT



5)Auto Reboot

1. Enable: option of reboot the system default enable.
2. Reboot Time: reboot time setup.
3. Random Offse: reboot time delay setup default 600 seconds.
- 4.SAVE & EXIT



7. Record Setting



: Record Setting

Setting by Each CH or all · Green—normal Record, Red---Motion Record, Black---No Record, After setting please click save to apply the change .

RECORD

CHANNEL

VIDEO RECORD

AUDIO RECORD

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-------|-------|-------|-------|-------|-------|
| SUN | Green | Black | Black | Green | Green | Green | Green | Red | Red | Green | Green | Green | Green | Green | Green |
| MON | Green | Black | Black | Green | Green | Green | Green | Red | Red | Green | Green | Green | Green | Green | Green |
| TUE | Green | Black | Black | Green | Green | Green | Green | Red | Red | Green | Green | Green | Green | Green | Green |
| WED | Green | Black | Black | Green | Green | Green | Green | Red | Red | Green | Green | Green | Green | Green | Green |
| THU | Green | Black | Black | Green | Green | Green | Green | Red | Red | Green | Green | Green | Green | Green | Green |
| FRI | Green | Black | Black | Green | Green | Green | Green | Red | Red | Green | Green | Green | Green | Green | Green |
| SAT | Green | Black | Black | Green | Green | Green | Green | Red | Red | Green | Green | Green | Green | Green | Green |

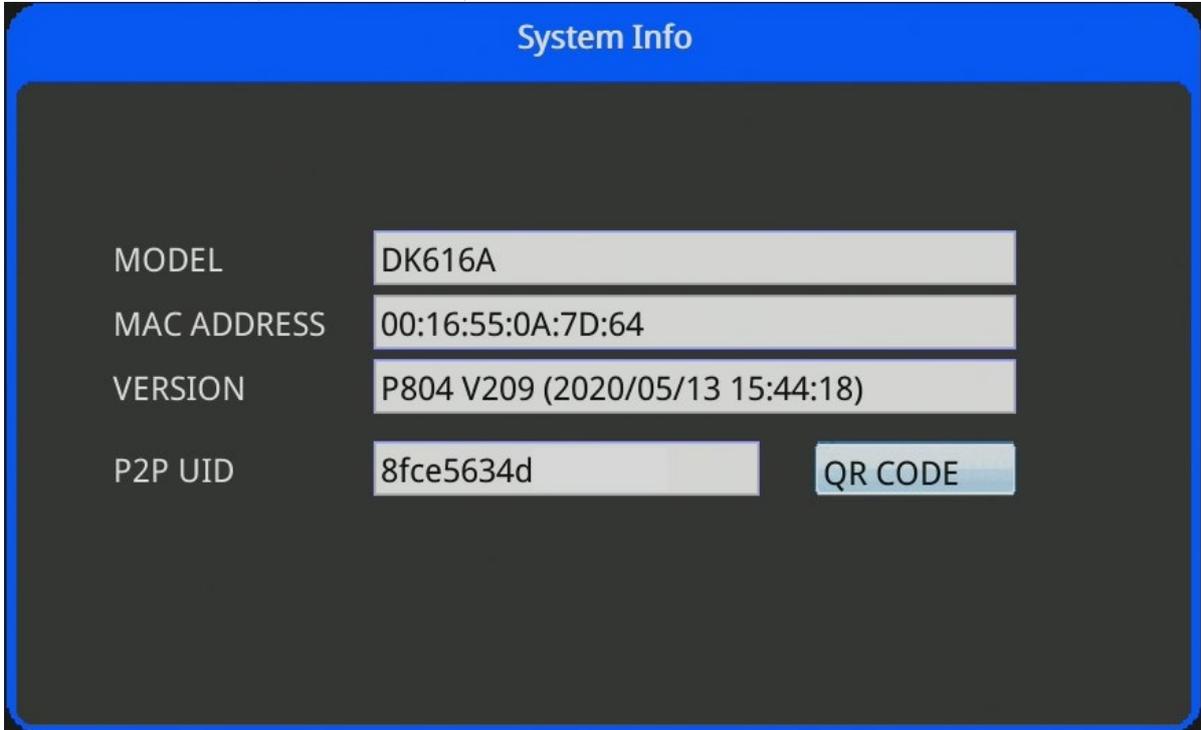
TYPE

8. System Info



: System Info

Model No, Mac Address, Firmware Version and P2P UID



1) P2P UID :

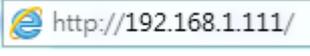
Download [VACRONDVR APP](#) · scan the UID to start live monitoring.



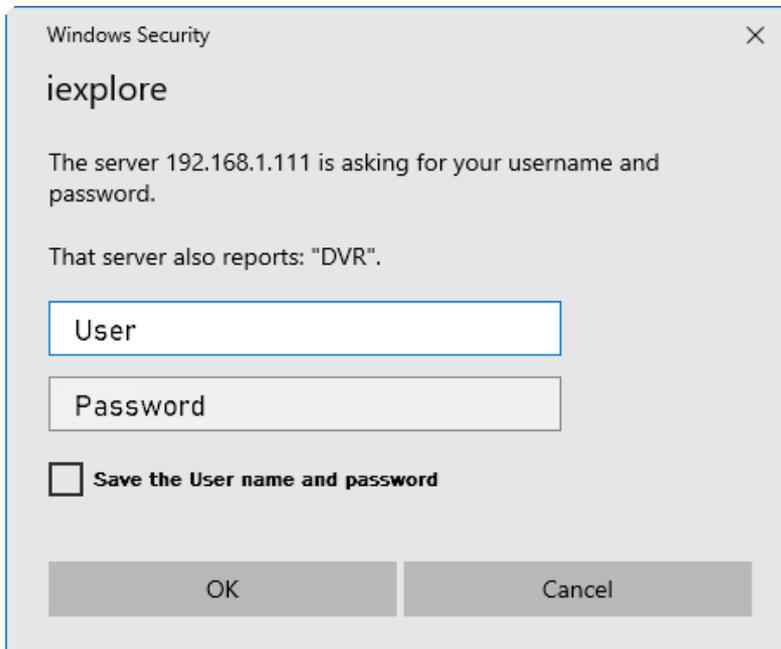
F. 【Live Video Streaming & Playback】

1. Open up IE Browser & enter DVR's IP.

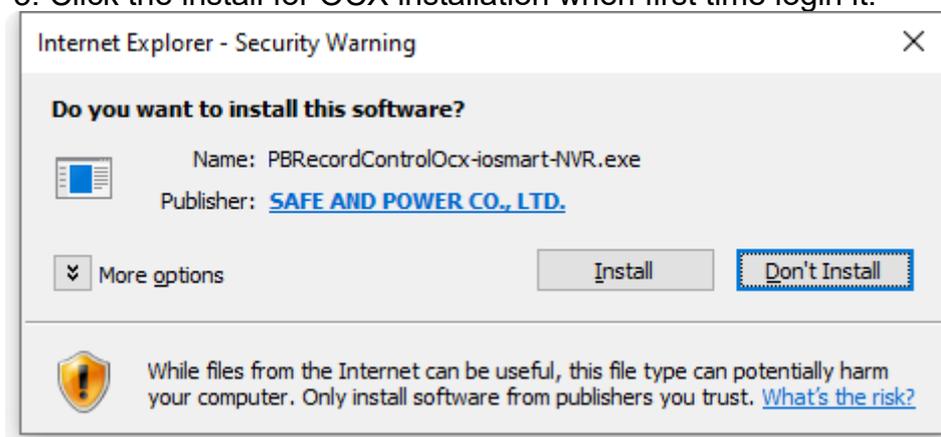
The entered IP address is subject to the DVR

configuration. 

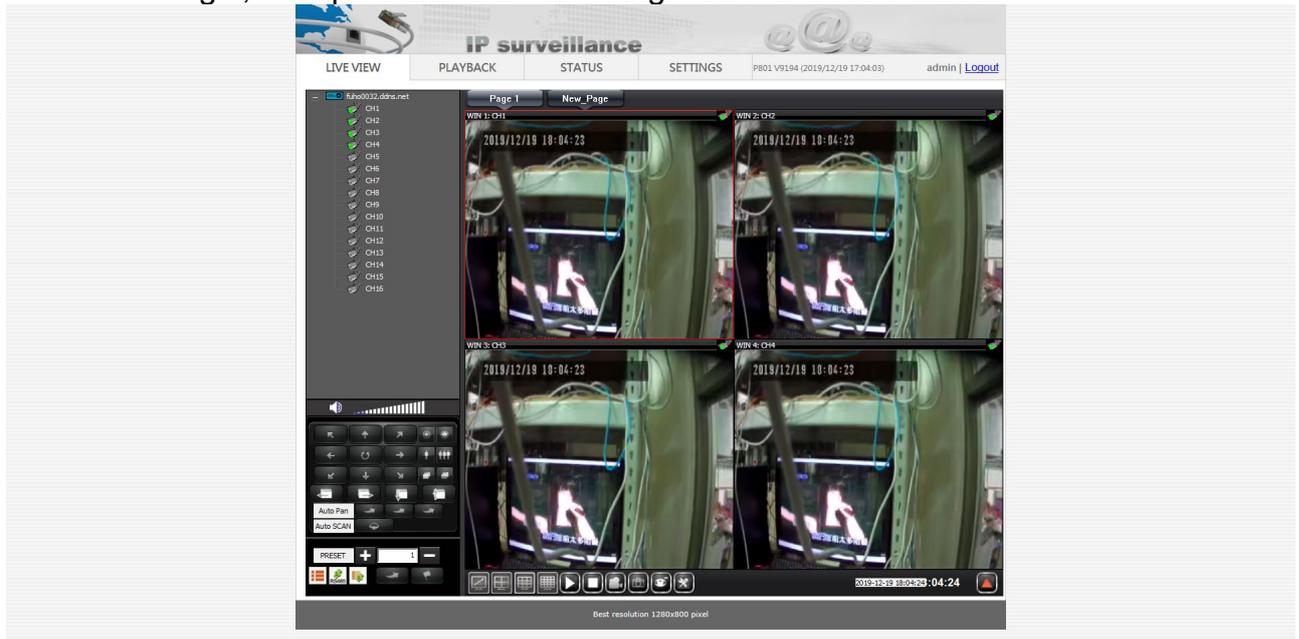
2. Enter the User Name and password to login DVR. (admin/admin is default setting). Please enter your own user name and password for secure demands.



3. Click the install for OCX installation when first time login it.



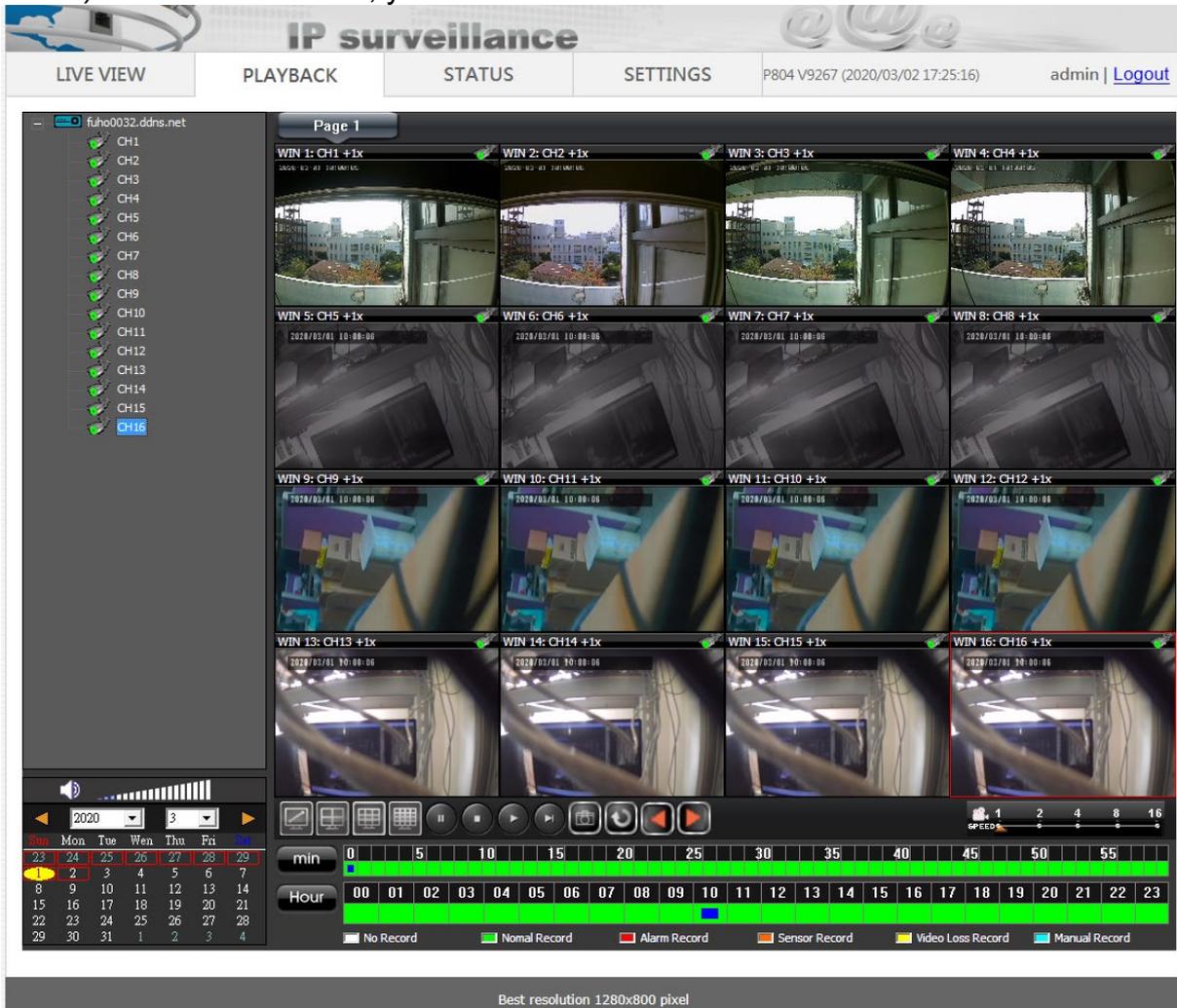
4. After login, the operation UI will be thing like this as below



| ICON | DESCRIPTION | ICON | DESCRIPTION |
|---|---------------------|---|----------------------|
|  | Full Screen Mode |  | Quad Screen Mode |
|  | 9 split screen mode |  | 16 split screen mode |
|  | Play |  | Stop |
|  | Record |  | Snapshot |
|  | Sub-stream |  | Main-Stream |
|  | Setting | | |

5. PLAYBACK

- Select the CH which you want to playback, Green means CH is selected.
- After CH is select, you can find the record table on Calendar.



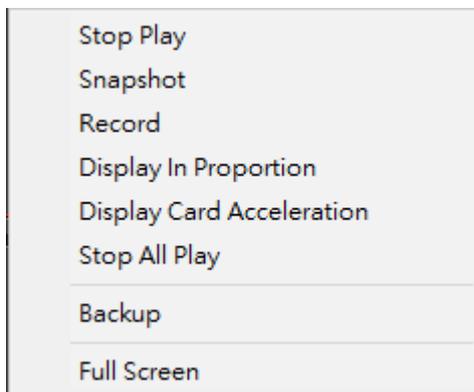
| ICON | DESCRIPTION | ICON | DESCRIPTION |
|------|----------------------|------|---------------|
| | Full Screen Mode | | Main-Stream |
| | Quad Screen Mode | | Sub-Stream |
| | 9 Split Screen Mode | | Next Frame |
| | 16 Split Screen Mode | | Re-load |
| | Pause | | Previous Page |
| | Stop | | Next Page |
| | Play | | Speed |

5.1) Backup

Right click mouse to select backup option.



The required video export just click on the green time bars.



6. STATUS:

Status of system version, IP and UID.

The screenshot shows the 'STATUS' page of the IP surveillance interface. The page is titled 'Information' and contains two tables of system details. The first table lists the following information:

| | |
|------------------|---|
| Camera | IPCAM |
| Model | dk604a |
| Uboot Version | U-Boot 2010.06 (Feb 26 2020 - 15:59:44) |
| Kernel Version | #1 SMP Thu Nov 28 14:31:47 CST 2019 |
| Firmware Version | P806 V9227 (2020/02/27 14:05:16) |
| UID | 9edf472304b16381 |

The second table lists the following information:

| | |
|---------|--------------------|
| IP | 192.168.1.111 |
| Netmask | 255.255.255.0 |
| Gateway | 192.168.1.1 |
| DNS | 8.8.8.8;168.95.1.1 |
| MAC | 00:16:55:08:C2:44 |

The sidebar on the left contains the following options: Status, Information, Ping, and System Log. The footer of the page indicates 'Best resolution 1280x800 pixel'.

1. The information area separate into three categories; firmware information on the top, IP address setting in middle, and TCP/IP protocol at the third.
2. Firmware include three main information; Uboot Version (boot-up firmware), Kernel Version (physical layer firmware) and Firmware Version.
3. IP address setting includes current IP address, subnet mask, gateway and device MAC number.
4. Use Ping function to check if statue of network or device is OK.
5. System Log on left side screen provides system log, which contains vital information for engineer to diagnostic the system.

7. Settings

7.1) Camera :

The screenshot shows the 'Camera' settings page in the IP surveillance web interface. The page has a navigation menu on the left with options like Settings, Camera, Video, Color, PTZ, Audio, Date Time, Network, DDNS, Network Protocol, Maintenance, User Account, Playback, Profile, Firmware Update, Restart, and Language. The main content area is titled 'Camera' and features a table for camera configurations. The 'Auto Add IPCam' checkbox is checked. The table has columns for #, Type, Signal, IP, Port, User, and Pass. The table lists 16 camera entries with various types like DVR_Auto, DVR_SMP, and Vacron, and their respective IP addresses and ports. The 'User' and 'Pass' fields are pre-filled with 'admin' and 'admin' respectively. There are 'Accept', 'Reset', and 'Default' buttons at the bottom of the table.

| # | Type | Signal | IP | Port | User | Pass |
|----|-----------|--------|-----------------|------|-------|-------|
| 1 | DVR_Auto | [Auto] | | 80 | admin | admin |
| 2 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 3 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 4 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 5 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 6 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 7 | DVR_1080P | [Auto] | | 80 | admin | admin |
| 8 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 9 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 10 | DVR_1080P | [Auto] | | 80 | admin | admin |
| 11 | DVR_SMP | [Auto] | | 80 | admin | admin |
| 12 | DVR_1080P | [Auto] | | 80 | admin | admin |
| 13 | Vacron | [Auto] | 220.132.162.151 | 85 | admin | admin |
| 14 | Vacron | [Auto] | 169.8.170.16 | 80 | admin | 1246 |
| 15 | Vacron | [Auto] | 192.168.4.221 | 80 | admin | admin |
| 16 | Vacron | [Auto] | 192.168.4.225 | 80 | admin | admin |

1. Type : DVR will auto detect Camera type, for IPCAM, need to be setup manually.
2. Scan : Selection Auto 、AHD 、TVI 、CVI ; Default is Auto
3. IP : Please enter the IP address manually; Valid for IPCAM only.
4. PORT : Default is 80PORT; Valid for IPCAM only.
5. User : Default is admin; Valid for IPCAM only
6. Pass : Default is admin; Valid for IPCAM only
TYPE must be valid for IPCAM only.
Click “accept” to save the configuration.

7.2) Video :

The screenshot shows the 'Video' settings page in the IP surveillance software. The page has a navigation menu on the left with options like Settings, Camera, Video, Color, PTZ, Audio, Date Time, Network, DDNS, Network Protocol, Maintenance, User Account, Playback, Profile, Firmware Update, Restart, and Language. The 'Settings' menu is currently selected. The main content area is titled 'Video' and contains a table with 16 rows, each representing a camera. Each row has columns for Main Framerate, Main Bit Rate, Sub Framerate, Sub Bit Rate, and Text. The values for the first few rows are: Main Framerate: 15, Main Bit Rate: 4096K, Sub Framerate: 6, Sub Bit Rate: 256K. Below the table are buttons for 'Accept', 'Reset', and 'Default'.

| # | Main Framerate | Main Bit Rate | Sub Framerate | Sub Bit Rate | Text |
|----|----------------|---------------|---------------|--------------|------|
| 1 | 15 | 4096K | 6 | 256K | |
| 2 | 15 | 4096K | 6 | 256K | |
| 3 | 15 | 4096K | 6 | 256K | |
| 4 | 15 | 4096K | 6 | 256K | |
| 5 | 15 | 4096K | 6 | 256K | |
| 6 | 15 | 4096K | 6 | 256K | |
| 7 | 15 | 4096K | 6 | 256K | |
| 8 | 15 | 4096K | 6 | 256K | |
| 9 | 15 | 4096K | 6 | 256K | |
| 10 | 15 | 4096K | 6 | 256K | |
| 11 | 15 | 4096K | 6 | 256K | |
| 12 | 15 | 4096K | 6 | 256K | |
| 13 | 15 | 4096K | 6 | 256K | |
| 14 | 15 | 4096K | 6 | 256K | |
| 15 | 15 | 4096K | 6 | 256K | |
| 16 | 15 | 4096K | 6 | 256K | |

- a) Frame rate and streaming can be changed
- b) Up to 12 English alphabets and 6 Chinese characters for the camera name.
- c) Click the icon SAVE to keep the configuration.

7.3) Color

The screenshot shows the 'Color' settings page in the IP surveillance software. The page has a navigation menu on the left with options like Settings, Camera, Video, Color, PTZ, Audio, Date Time, Network, DDNS, Network Protocol, Maintenance, User Account, Playback, Profile, Firmware Update, Restart, and Language. The 'Settings' menu is currently selected. The main content area is titled 'Color' and contains a table with 16 rows, each representing a camera. Each row has columns for Brightness, Contrast, Hue, Saturation, and Sharpness. The values for the first few rows are: Brightness: 42, Contrast: 47, Hue: 50, Saturation: 70, Sharpness: 48. Below the table are buttons for 'Accept', 'Reset', and 'Default'.

| # | Brightness | Contrast | Hue | Saturation | Sharpness |
|----|------------|----------|-----|------------|-----------|
| 1 | 42 | 47 | 50 | 70 | 48 |
| 2 | 42 | 47 | 50 | 70 | 48 |
| 3 | 42 | 47 | 50 | 70 | 48 |
| 4 | 42 | 47 | 50 | 70 | 48 |
| 5 | 42 | 47 | 50 | 70 | 48 |
| 6 | 42 | 47 | 50 | 70 | 48 |
| 7 | 42 | 47 | 50 | 70 | 48 |
| 8 | 42 | 47 | 50 | 70 | 48 |
| 9 | 42 | 47 | 50 | 70 | 48 |
| 10 | 42 | 47 | 50 | 70 | 48 |
| 11 | 42 | 47 | 50 | 70 | 48 |
| 12 | 42 | 47 | 50 | 70 | 48 |
| 13 | 42 | 47 | 50 | 70 | 48 |
| 14 | 42 | 47 | 50 | 70 | 48 |
| 15 | 42 | 47 | 50 | 70 | 48 |
| 16 | 42 | 47 | 50 | 70 | 48 |

Brightness, contrast, tone, saturation and sharpness can be changed. Click the icon SAVE to keep the configuration.

7.4) PTZ

| # | Protocol | Device ID | Baud Rate |
|----|----------|-----------|-----------|
| 1 | OFF | 0 | 9600 |
| 2 | PelcoD | 1 | 9600 |
| 3 | OFF | 0 | 9600 |
| 4 | OFF | 0 | 9600 |
| 5 | OFF | 0 | 9600 |
| 6 | OFF | 0 | 9600 |
| 7 | OFF | 0 | 9600 |
| 8 | OFF | 0 | 9600 |
| 9 | OFF | 0 | 9600 |
| 10 | OFF | 0 | 9600 |
| 11 | OFF | 0 | 9600 |
| 12 | OFF | 0 | 9600 |
| 13 | OFF | 0 | 9600 |
| 14 | OFF | 0 | 9600 |
| 15 | OFF | 0 | 9600 |
| 16 | OFF | 0 | 9600 |

Select PELCO-D, ID and Baud rate. Click the icon SAVE to keep the configuration.

7.5) Audio

Audio output, Default is “enable”.

7.6) Data Time



- a) Time Setting: IPC time format can be set manually, sync with PC or SNTP server time setting. SNTP server time setting requires user connecting to a SNTP server or set a local computer as time server.
- b) Time Setting: IPC time format can be set manually, sync with PC or SNTP server time setting. SNTP server time setting requires user connecting to a SNTP server or set a local computer as time server.

7.7) NetWork

The screenshot displays the 'Network' configuration page in the IP surveillance software. The interface is organized into a top navigation bar, a left sidebar, and a main content area. The top bar includes 'LIVE VIEW', 'PLAYBACK', 'STATUS', 'SETTINGS', and user details (P808 V293, 2021/12/03 14:57:10, admin | Logout). The sidebar lists settings categories: Settings (Camera, Video, Color, PTZ, Audio, Date Time, Network, DDNS, Network Protocol, Alarm), Maintenance (User Account, Playback, Profile, Firmware Update, Restart, Language), and a highlighted 'Settings' section. The main content area is titled 'Network' and contains three sections: IP, WiFi, and MAC. The IP section has radio buttons for DHCP, Static IP (selected), and PPPoE. The Static IP section includes fields for Full Hostname (VDH-DKF616B), MTU (1500), IP address (192.168.7.112), Subnet mask (255.255.240.0), Default Gateway IP (192.168.10.98), and MTU (1500). The PPPoE section includes fields for PPPoE Account, Password, Confirm Password, and MTU (1492). The DNS Assignment section has radio buttons for Auto (selected) and Manual, with Primary DNS Server (8.8.8.8) and Secondary DNS Server (168.95.1.1) fields. The WiFi section has a checked 'Enable' checkbox, a dropdown for Mode (AP), an SSID field, a Password field (12345678), a 'Use Static IP in Client Mode' checkbox, a Channel field (6), a dropdown for Encryption (WPA2), and two WPA Cipher Suite sections, each with checked 'TKIP' and 'AES' options. The LAN IP field is 192.168.5.254 and the Subnet mask is 255.255.255.0. The MAC section shows a Factory Default MAC Address (0016550ABFA1) with a 'Restore' button and a Current MAC Address field. At the bottom of the MAC section are 'Accept', 'Reset', and 'Default' buttons.

5.Network Setting:

a)Network setting: Users can change camera IP via IE interface. It is User friendly for installers to program network segment. Use of network switch system can achieve multi network segment and build a diverse network.This setting is use of connecting internet by means of ADSL static IP administration and password from ISP. Users can rapidly access to the system from external network.

b)Platform: This setting is to activate data relayed from central server. Only remote accessible device and server connection users support.

WiFi

10.1 Mode: Client option is to be selected to enable Wi-Fi.

10.2 SSID: SSID is required for Router wireless connection.

10.3 Password: password is required for Router wireless connection.

10.4 Use Static IP in Client Mode: do not tick in Wi-Fi mode.

10.5 CHANNEL: number of channel is given here.

10.6 Encryption: option of Wi-Fi encryption.

c)MAC: MAC is reserved for manufacturers to recognize production time and category of products.

7.8) DDNS



DDNS setting: DDNS is a way of URL redirection, user can register for DDNS service and obtain a specific server address in characters (as opposed to number), the visitors from WAN can search for the server name on the web, they will then be redirected to the registered IP address.

DyDNS , NO-IP & Vacron DDNS are supported.

7.9) Network Protocol



Modify the dvr HTTP PORT · factory default = 80 PORT

Max. HTTP connection: range of visitors default 16.

P2P : P2P surveillance option default is the option enable.

Platform : Platform connection default is the option enable

Trigger Voltage: NO / NC option default NO. Alarm out works in condition of

alarm in.

Note: Alarm PCB is required.

The screenshot shows the 'Alarm' configuration page in the IP surveillance software. The page has a header with navigation tabs: LIVE VIEW, PLAYBACK, STATUS, and SETTINGS. The current page is 'Alarm', and the user is logged in as 'admin'. A sidebar on the left lists various settings categories: Settings (Camera, Video, Color, PTZ, Audio, Date Time, Network, DDNS, Network Protocol, Alarm) and Maintenance (User Account, Playback, Profile, Firmware Update, Restart, Language). The main content area contains a table for configuring alarm triggers.

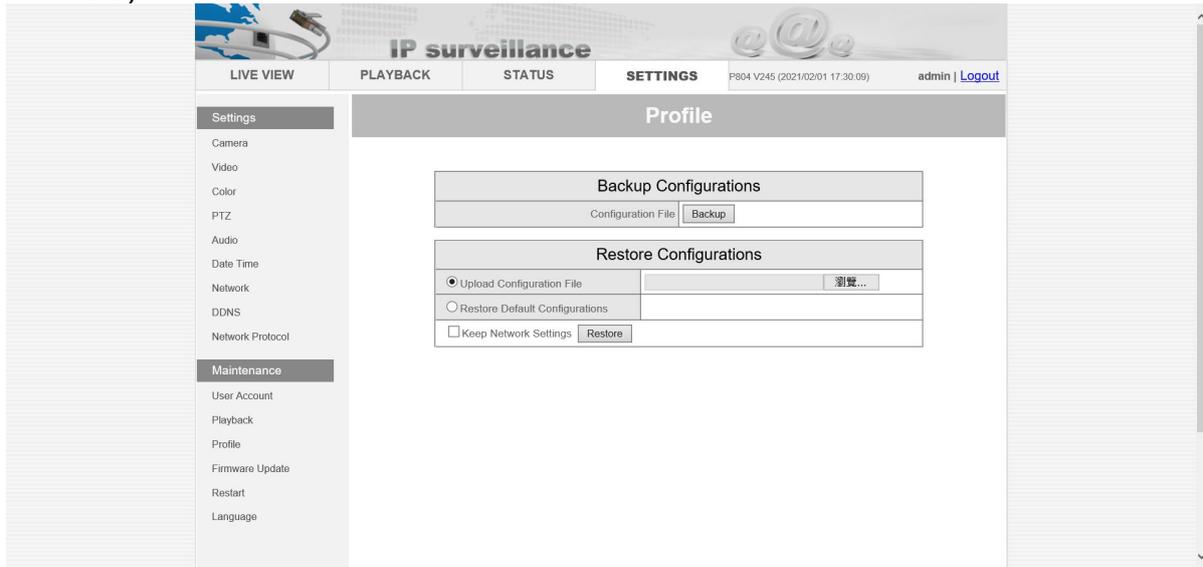
| # | Trigger Voltage |
|---|-----------------|
| 1 | NO ▼ |
| 2 | NO ▼ |
| 3 | NO ▼ |
| 4 | NO ▼ |

Below the table are three buttons: Accept, Reset, and Default.

8. Maintenance

8.1) User Account

8.3) Profile



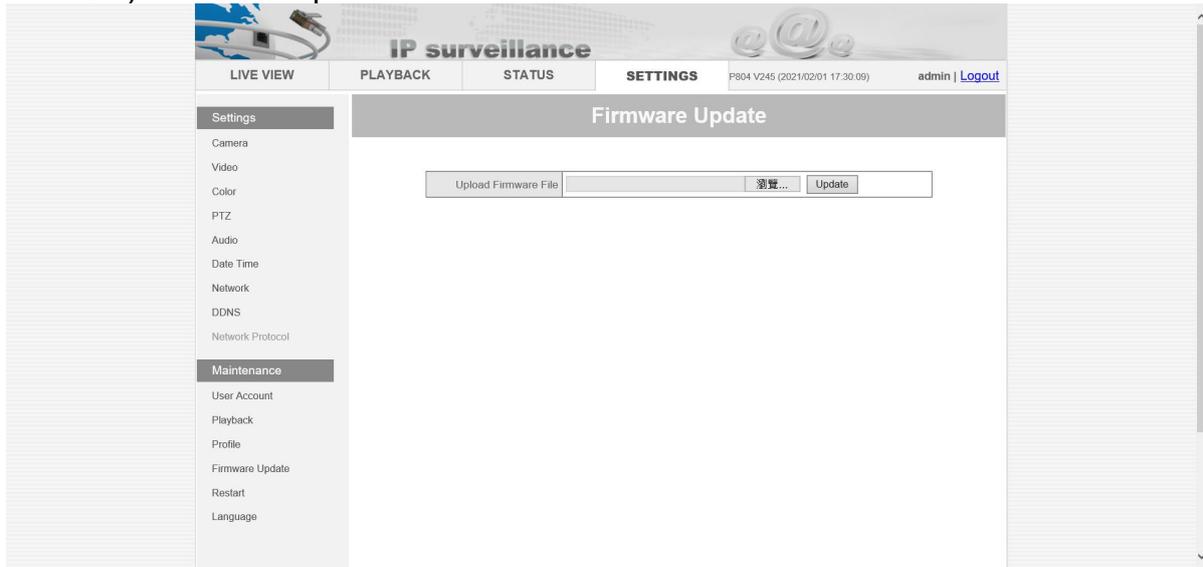
1. Backup Configurations:

This function allow user to export their preferred IPC setting profile into “profile.bin” file format. You can use the backup profile to restore IPC or configure multiple IPCs with the same setting quickly. Configuration files can also used to troubleshoot by creating identical setting under different controlled environments.

2. Restore Configurations:

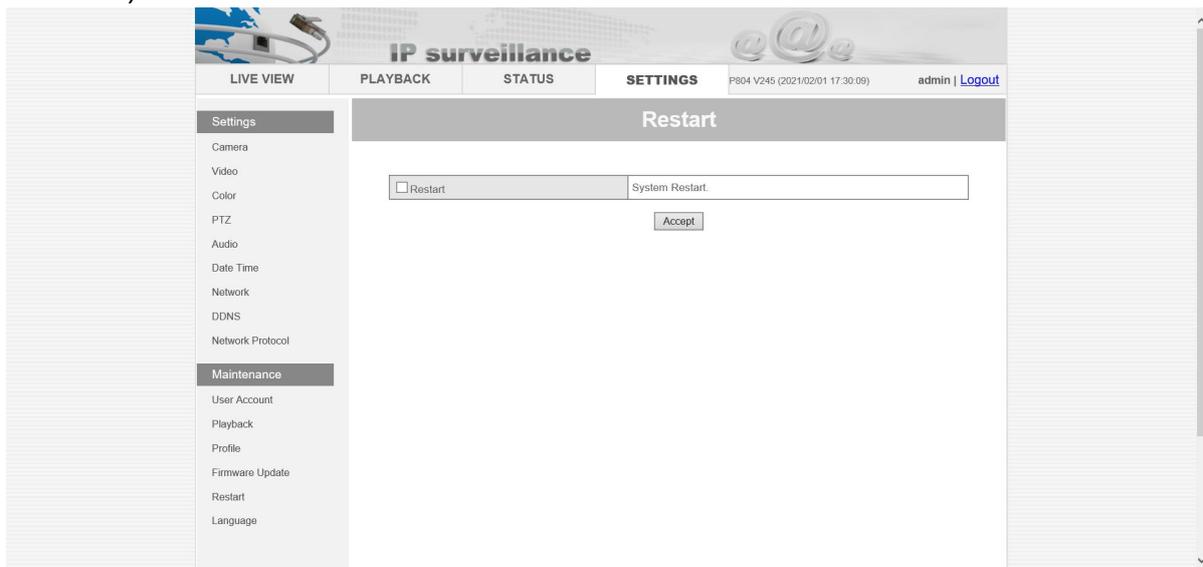
- a) Upload Configuration File: Click Browser to select updated file named profil.bin.
- b) Restore Default Configurations: This function allow user to restore their profile setting after firmware update. Restore custom or default configurations can help users to avoid potential IPC setting conflicts.
- c) Keep Network Settings: Please enable it to avoid IP address to restore to factory default setting when Default is operated.

8.4) Firmware Update



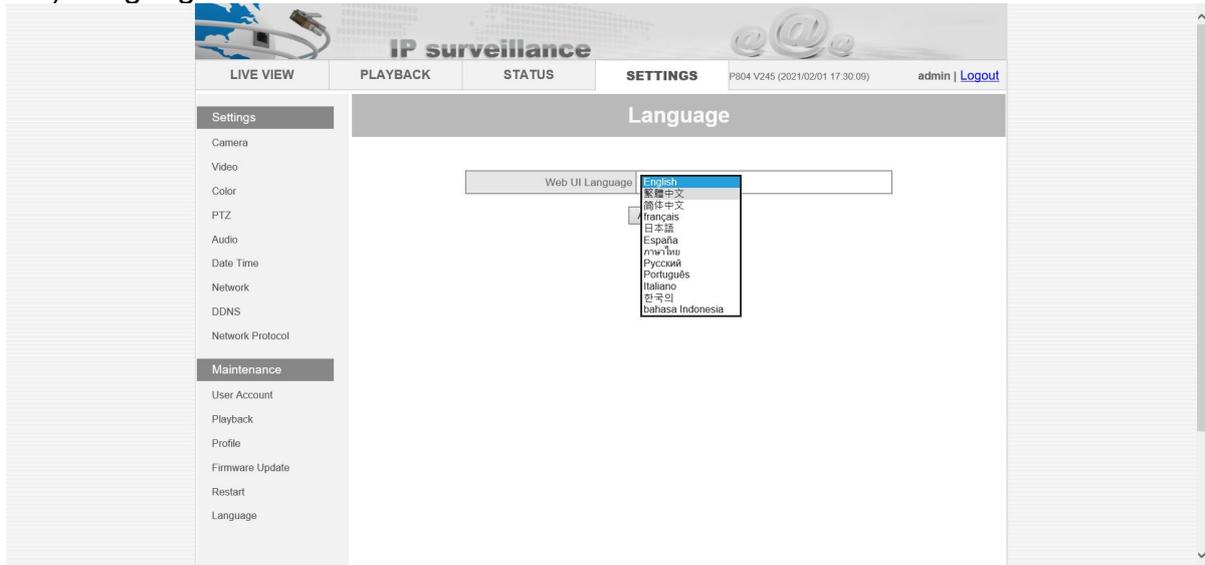
Firmware Update: Users can update their IPC firmware via IE browser. Please visit VACRON homepage for firmware support and version information.

8.5) Restart



Restart: This function allows IPC to restart. After you set IPC to restart, please wait for 50 seconds while IPC is rebooting

8.6) Language



Drop-down menu for multi-language GUI preview



FUHO Technology Co.Ltd.

No. 30, Ln. 726, Sec. 3, Jinma Rd., Changhua City, Changhua County 500, Taiwan (R.O.C.)

(+886)4-751-2881

<https://www.vacron.com/>