



Software Operating Instructions

VDH-DK Series

V1.1

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Chapters

A. 【Operation】	5
1. Mouse Operating Instructions	5
B. 【Setup Operation】	5
C. 【Home Screen Guideline】	6
D. 【Main Menu】	8
1. Backup	9
2. Playback	10
3. PTZ & UTC Control	12
E. 【Configuration】	13
1. Camera Setting	13
2. Storage Setting	19
3. Network.....	20
4. Account Setting	24
5. System Setting	25
6. Record Setting	28
7. System Info.....	29
F. 【Live Video Streaming & Playback】	30

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】

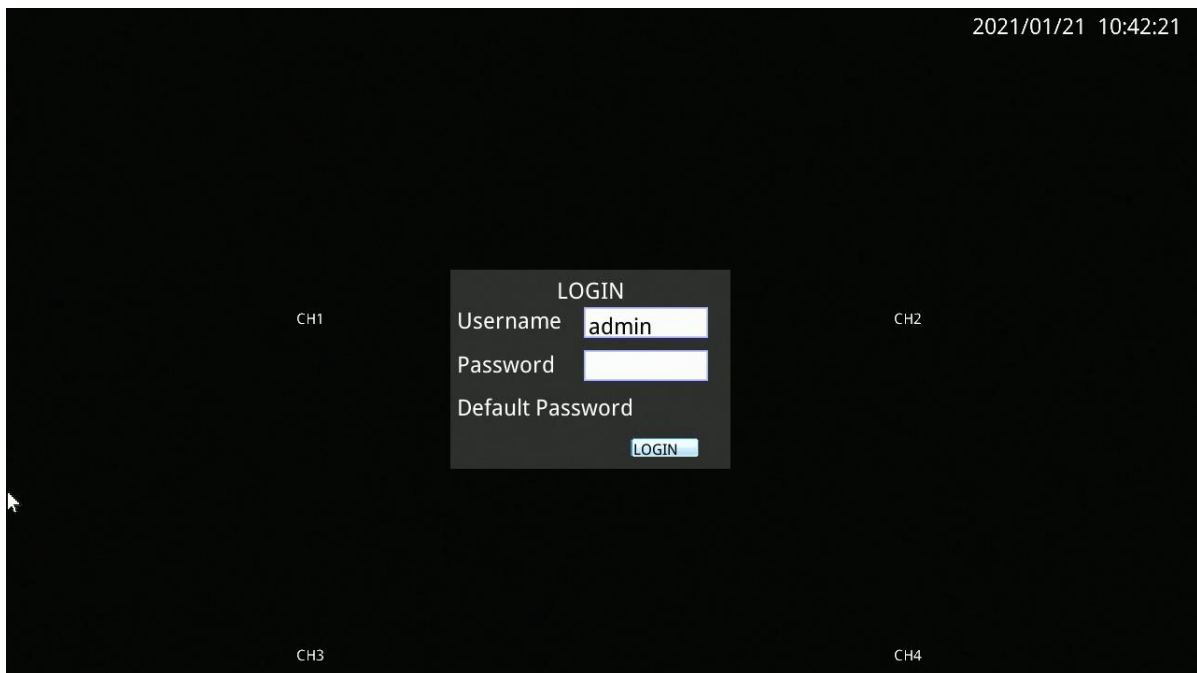
The system supports mouse operation

1. Mouse Operating Instructions

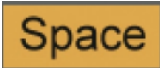
- 1). [Right] click when the screen can be turned on instantly monitor function setting menu.
- 2). In Menu mode [Left] click, you can enter the selected item menu.
- 3). You can use [Left] to change setting values.

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.



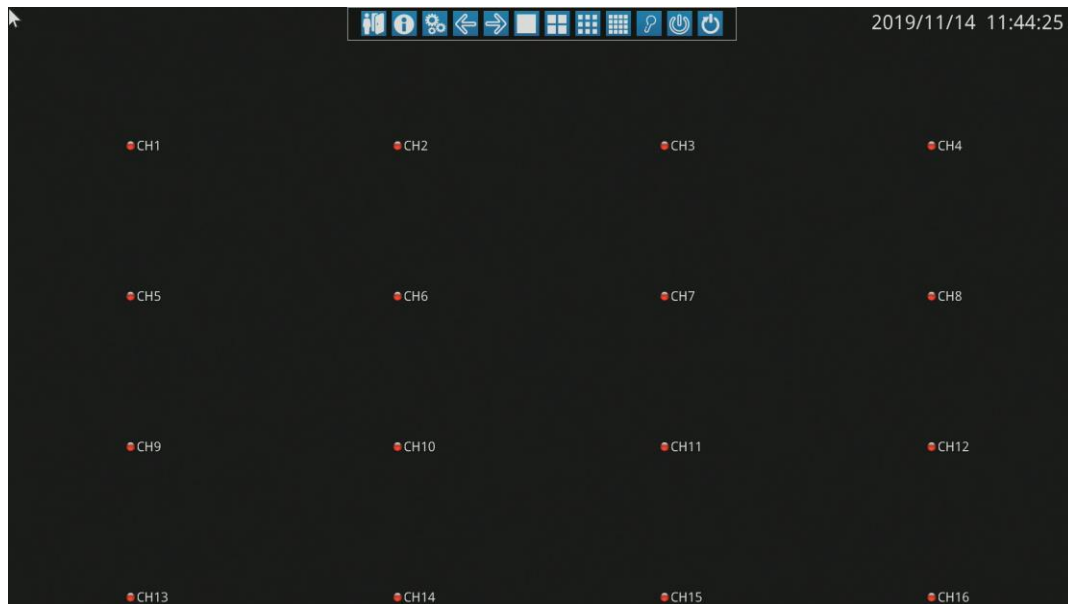
Click the PASSWORD, the keyboard is appeared.

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.

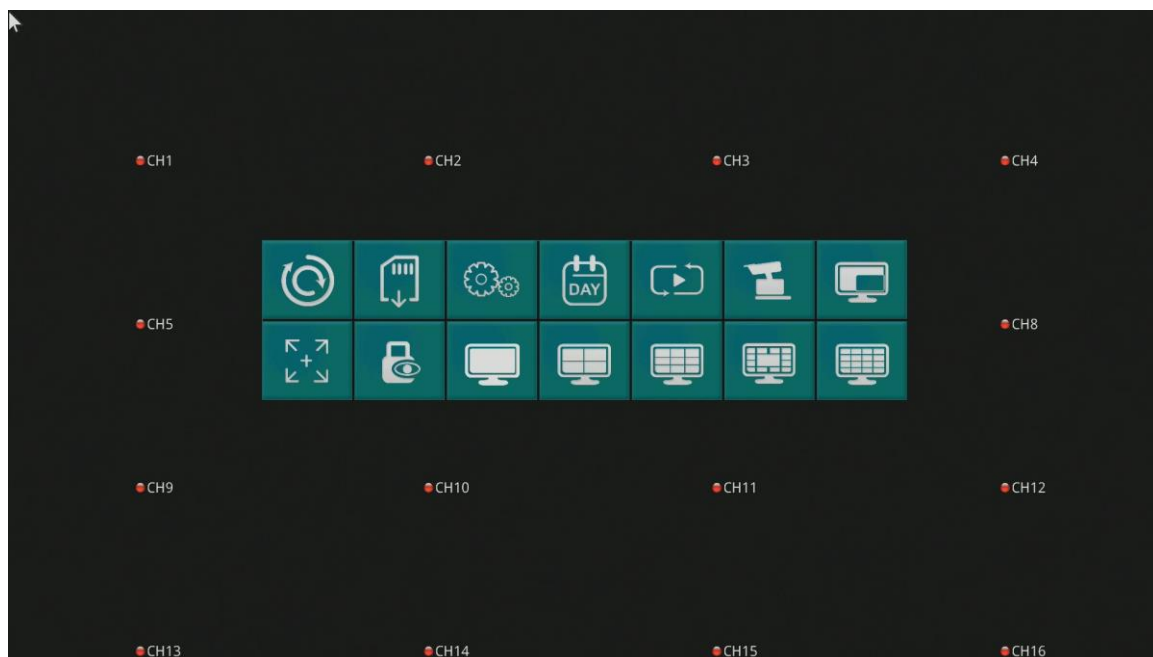
Tool Bar :



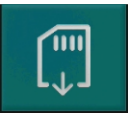
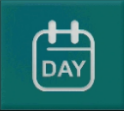
Tool Bar Description :

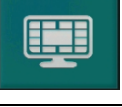
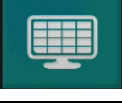
ICON	Description
	Logout
	System Info
	Main Menu
	Previous Page
	Next Page
	Single Screen Mode
	Quad Screen Mode
	Nine split Screen Mode
	16 split Screen Mode
	Password forget, please click the icon and sent it to distributor for temporary login password.
	Power off
	System Reboot

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.

BACKUP

CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

SET START TIME

SET END TIME

BACKUP START

REFRESH

CHANNEL : Select the CH which you want to backup

SET START TIME : Select the start time

SET END TIME : Select the end time

BACKUP START : Insert your USB Drive & start to backup

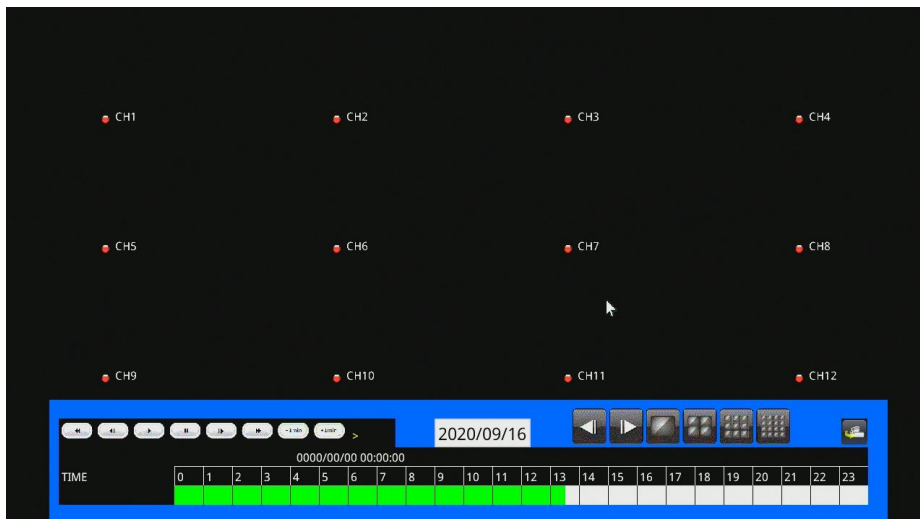
Note: USB Drive must be in FAT32 format. Max. footage time is 60 min. And will be saved on 2 files each of them is 30 min.

2. Playback

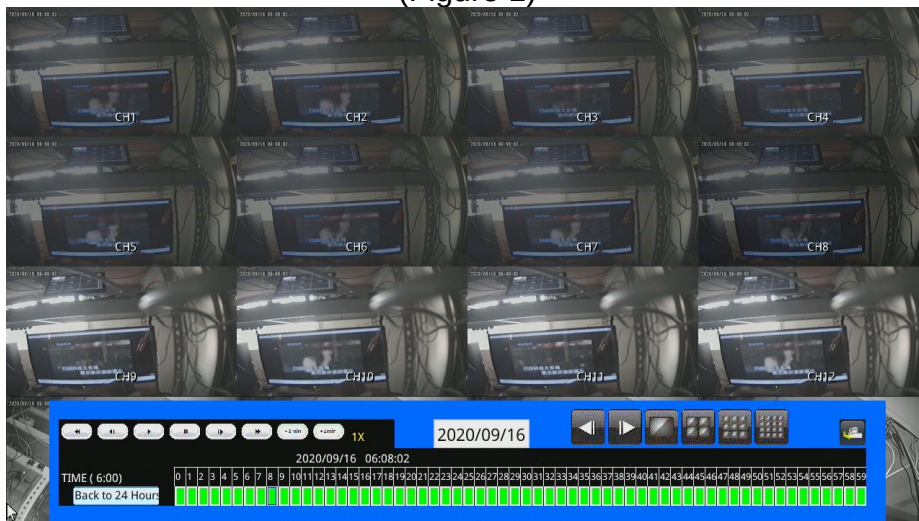


: Click to enter playback page

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

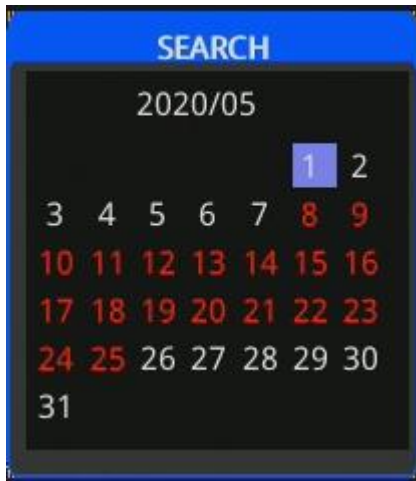


(Figure 1)



(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.



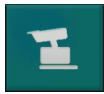
(Figure 3)

Time bar to select Hour and Minute for quick search.

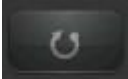
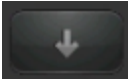
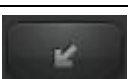
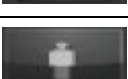
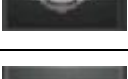
Function Description

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

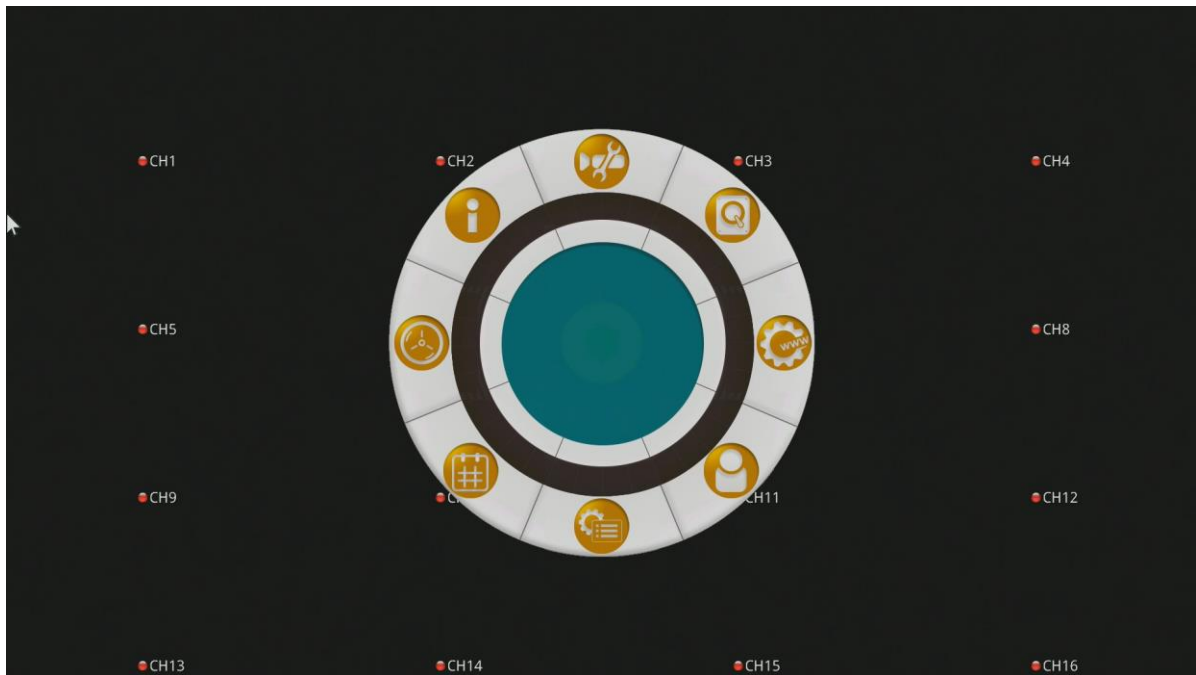
3. PTZ & UTC Control



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

ICON	DESCRIPTON
	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

CAM Type

TITLE

CH 1

▲

▼

DVR AUTO

▼

AUTO

▼

Apply

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 web-based configuration interface titled "Camera Setting". It has a blue header bar with the title. Below the header is a navigation bar with tabs: SETUP (highlighted in red), STREAM, COLOR, MOTION, SEARCH, and PTZ. The main content area is a table with the following fields:

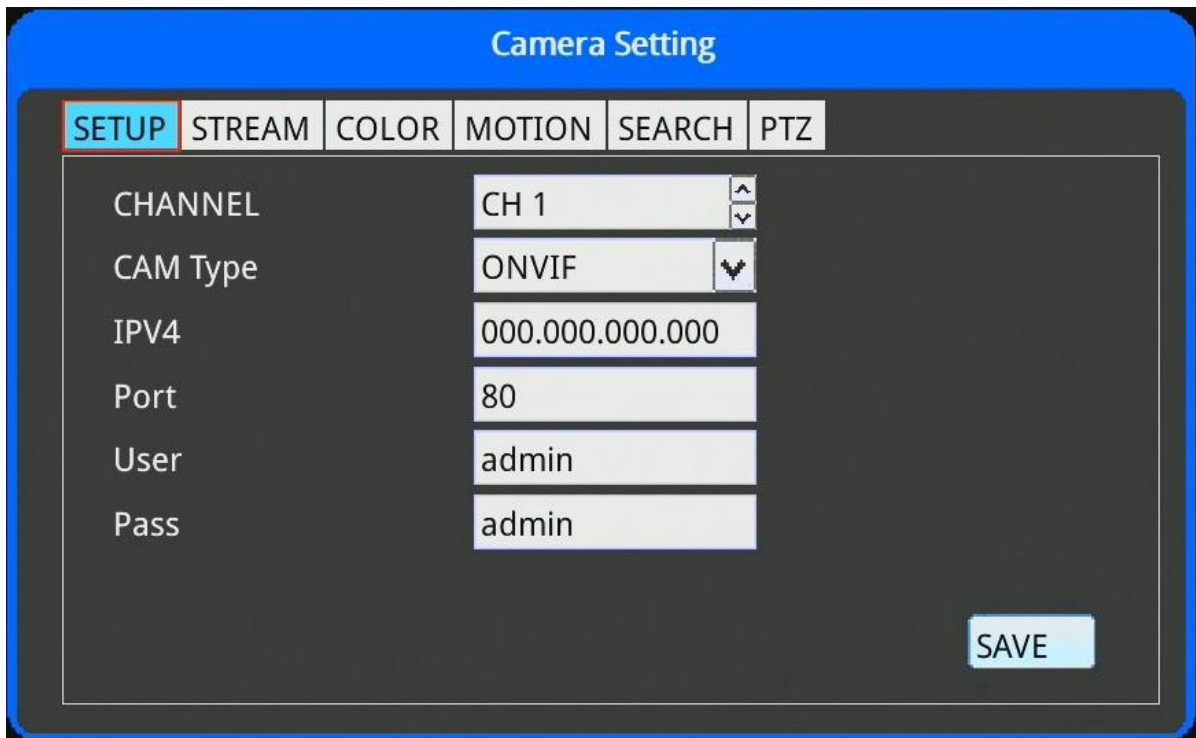
CHANNEL	CH 1
CAM Type	Vacron
IPV4	000.000.000.000
Port	80
User	admin
Pass	admin

In the bottom right corner of the main content area, there is a blue button labeled "SAVE".

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.



Camera Setting

SETUP | STREAM | COLOR | MOTION | SEARCH | PTZ

CHANNEL	CH 1
CAM Type	ONVIF
IPV4	000.000.000.000
Port	80
User	admin
Pass	admin

SAVE

4) Video :



2021/01/21 10:43:08

Camera Setting

SETUP | STREAM | COLOR | MOTION | SEARCH | PTZ

CHANNEL	CH 1
MAIN FRAMERATE	15
MAIN BITRATE	4096 Kbps
SUB FRAMERATE	6
SUB BITRATE	256 Kbps

Apply

CH3 CH4

- 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 :

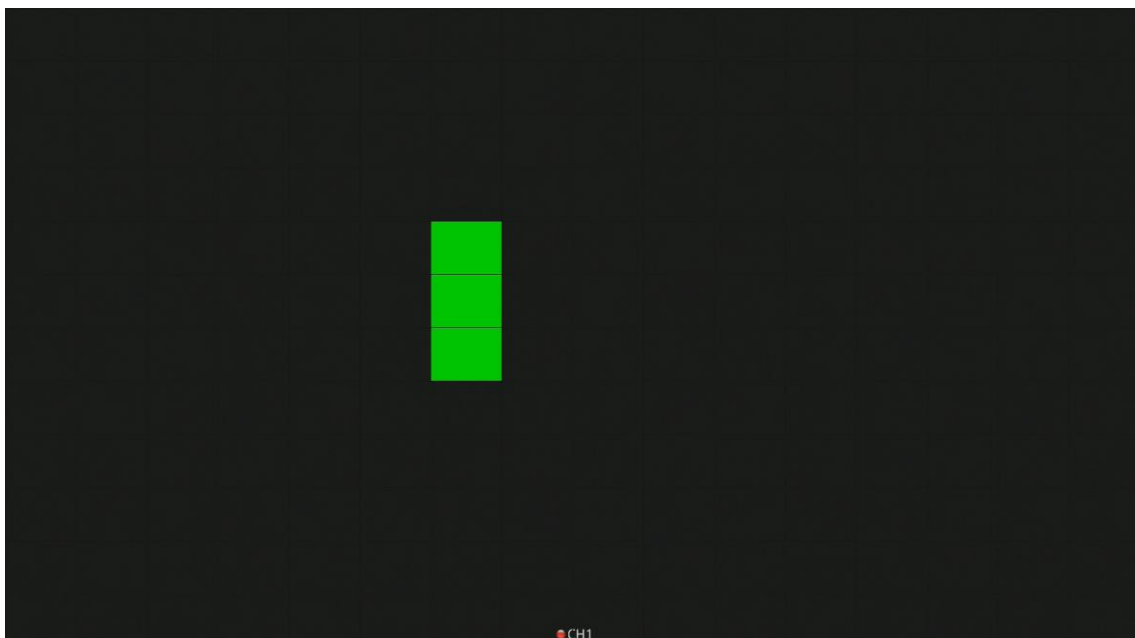


Adjust colors for each output channels then click save.

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.

Camera Setting

SETUP | STREAM | COLOR | MOTION | **SEARCH** | PTZ

NONE	169.10.44.70
NONE	169.0.64.7
NONE	169.0.64.8
NONE	169.0.64.22
NONE	169.0.64.20
NONE	169.0.64.9
NONE	169.0.64.6

Previous page Next page **SAVE**

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

Camera Setting

SETUP | STREAM | COLOR | MOTION | SEARCH | **PTZ**

CHANNEL: CH 1

PTZ ID: 0

Protocol: OFF

Baudrate: 9600

STORAGE

2. Storage Setting



: HDD/Storage Setting

Storage Setting

CHECK	MODEL	TYPE	STATUS	TOTAL (GB)	USED (GB)
☒ ☐	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 Advanced	
HOSTNAME	
MODE	STATIC
IPV4	192.168.001.220
NETMASK	255.255.255.000
GATEWAY	192.168.001.254
DNS1	008.008.008.008
DNS2	168.095.001.001
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

NETWORK

CONNECT
DDNS
Advanced

HOSTNAME	
MODE	DHCP ▼
IPV4	000.000.000.000
NETMASK	000.000.000.000
GATEWAY	000.000.000.000
DNS1	008.008.008.008
DNS2	168.095.001.001

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

NETWORK

CONNECT
DDNS
Advanced

HOSTNAME		
MODE	PPPOE ▼	
IPV4	000.000.000.000	ACCOUNT
NETMASK	000.000.000.000	Password
GATEWAY	000.000.000.000	
DNS1	008.008.008.008	
DNS2	168.095.001.001	

- 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. The main title is 'NETWORK'. Below it, there are three tabs: 'CONNECT', 'DDNS' (which is highlighted with a red border), and 'Advanced'. The 'DDNS' tab contains the following fields:

- DDNS**: A dropdown menu currently set to 'DISABLE'.
- TYPE**: A dropdown menu currently 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.

An 'Apply' button is located at the bottom right of the configuration area.

- 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) Advanced

The screenshot shows a software window titled "NETWORK" with a blue header bar. Below the header, there are three tabs: "CONNECT", "DDNS", and "Advanced". The "Advanced" tab is selected and highlighted with a red border. Inside the "Advanced" tab, there are two settings: "Http Port" with a text input field containing the value "80", and "P2P Enable" with a checked checkbox. An "Apply" button is located in the bottom right corner of the configuration area.

1. Http Port : Default 80 port and can be changed
2. P2P Enable : Enable for P2P remote surveillance (Default)
3. Save to exit

4. Account Setting



: Account Setting

Account Setting

USER: ADMIN

ADMIN NAME: admin

ADMIN PWD: *****

SAVE

- 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.

5. 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.

System Setting		
DATETIME	DISPLAY	Maintain
CURRENT TIME	2021/01/21 10:45:08	
TIMEZONE	8	
TIME ADJUST TYPE	MANUAL	
CONFIG DATE/TIME	2021 /01 /21-10: 45:08	
Apply		

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.

The screenshot shows a 'System Setting' window with a blue header. Below the header are three tabs: 'DATETIME', 'DISPLAY' (which is highlighted with a red border), and 'Maintain'. The 'DISPLAY' tab contains four settings: BRIGHTNESS (value 60), CONTRAST (value 50), SATURATION (value 50), and RESOLUTION (value 1280x720 with a dropdown arrow). An 'Apply' button is located in the bottom right corner of the settings area.

Setting	Value
BRIGHTNESS	60
CONTRAST	50
SATURATION	50
RESOLUTION	1280x720

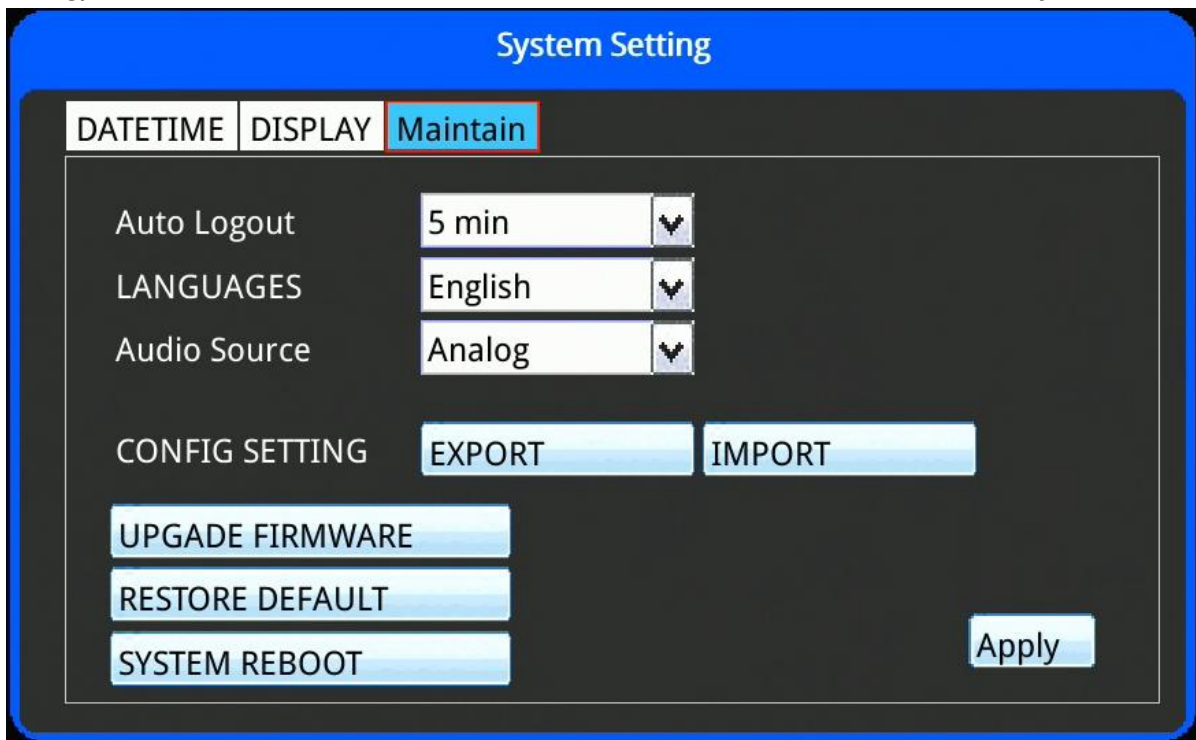
3) Maintain :

- a) Auto logout : Never, 5min, 10min, 30min, Default setting is 5 min.
- b) Language : English, Traditional Chinese, Simple Chinese and Japanese.
- c) Audio Source : Option for local and camera

Note : Audio cable is required for local DVR.

Camera with built-in microphone can transmit audio.

- 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.



6. 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 CH 1 ▲▼

VIDEO RECORD ON ▲▼

AUDIO RECORD ON ▲▼

APPLY ALL

	0	5	10	15	20	23
SUN						
MON						
TUE						
WED						
THU						
FRI						
SAT						

TYPE MOTION ▲▼

SELECT ALL

SAVE

7. System Info



: System Info

Model No, Mac Address, Firmware Version and P2P UID

System Info

MODEL	DK616A
MAC ADDRESS	00:16:55:0A:7D:64
VERSION	P804 V209 (2020/05/13 15:44:18)
P2P UID	8fce5634d QR CODE

1) P2P UID :

Download VACRONDVR APP · scan the UID to start live monitoring.



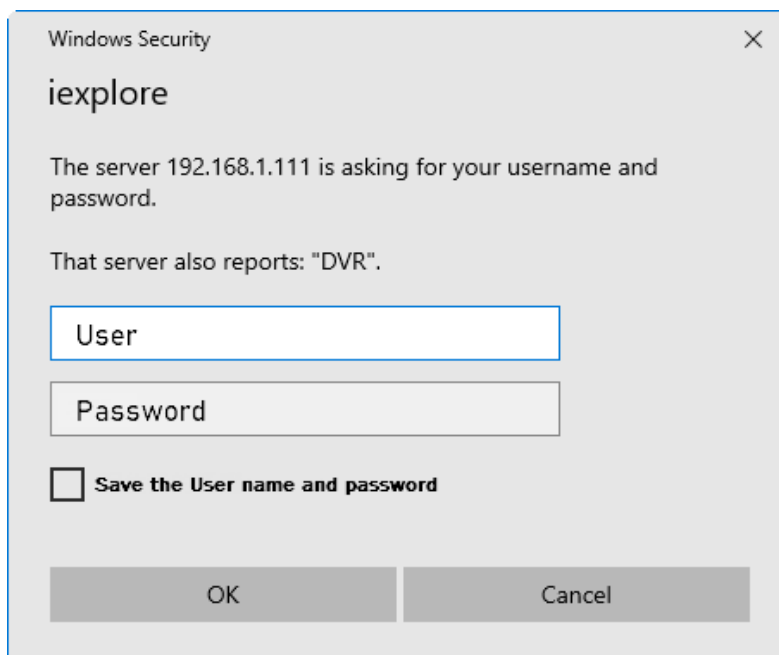
F. 【Live Video Streaming & Playback】

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

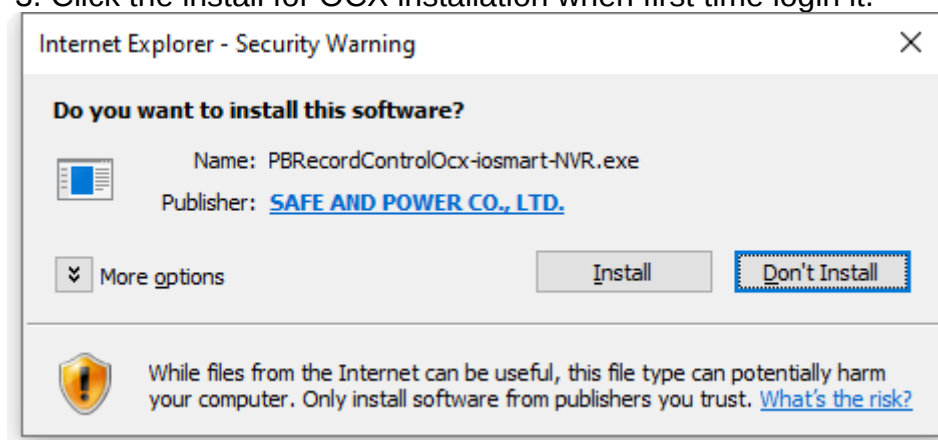
The entered IP address is subject to the DVR

configuration.  <http://192.168.1.111/>

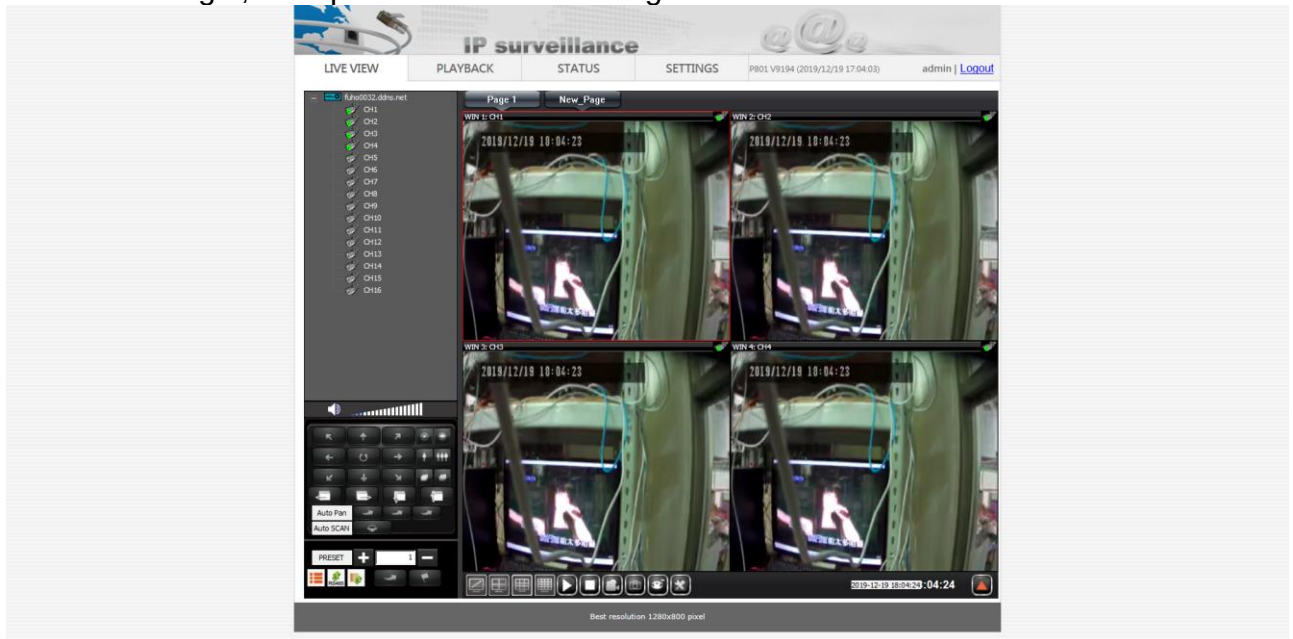
2. Enter the User Name and password to login DVR. (admin/admin is default setting). Please enter your own user name and password for secure demands.



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



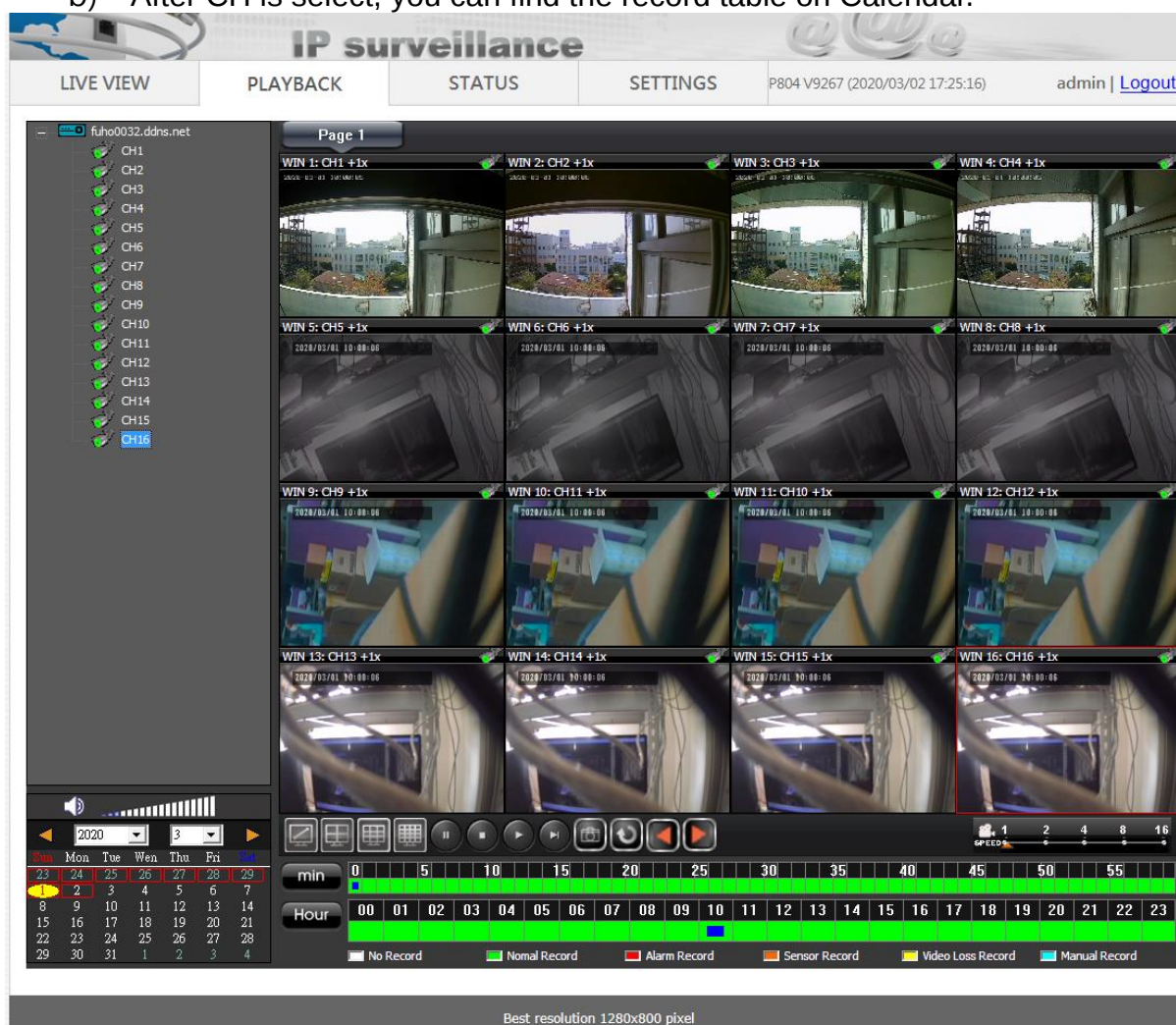
4. After login, the operation UI will be thing like this as below



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

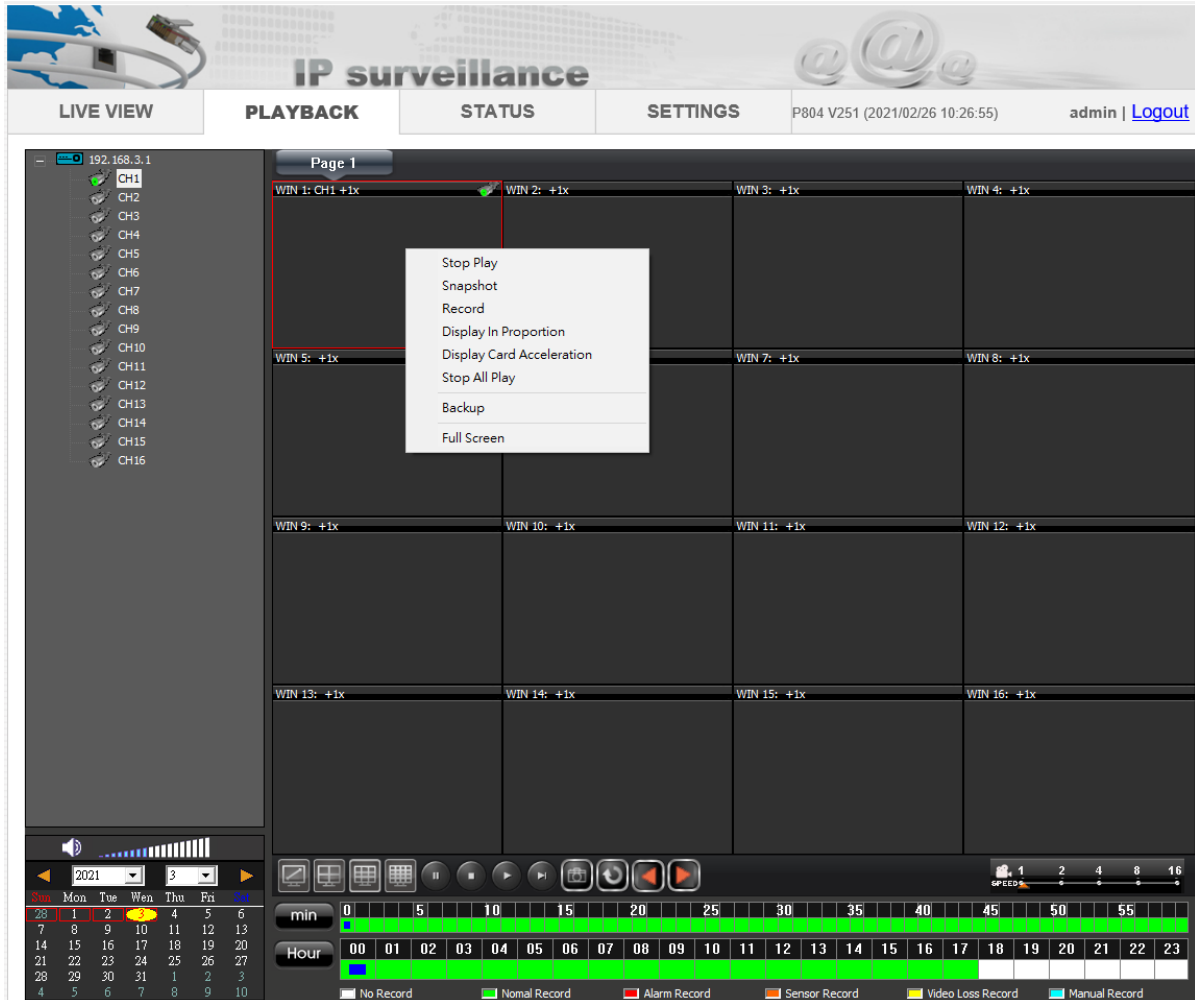
- Select the CH which you want to playback, Green means CH is selected.
- After CH is select, you can find the record table on Calendar.



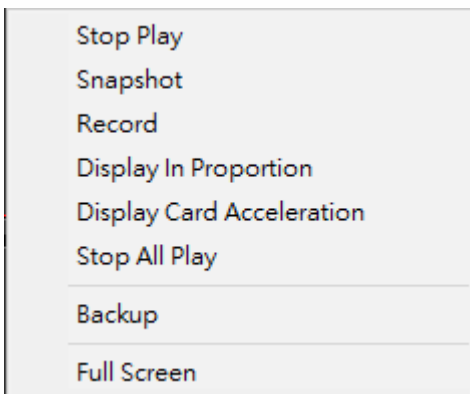
ICON	DESCRIPTION	ICON	DESCRIPTION
	Full Screen Mode		Main-Stream
	Quad Screen Mode		Sub-Stream
	9 Split Screen Mode		Next Frame
	16 Split Screen Mode		Re-load
	Pause		Previous Page
	Stop		Next Page
	Play		Speed

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 system. The top navigation bar includes 'LIVE VIEW', 'PLAYBACK', 'STATUS', and 'SETTINGS'. The main content area is titled 'Information' and contains two tables of system details. A left sidebar contains links for 'Status', 'Information', 'Ping', and 'System Log'. The bottom of the screen indicates a best resolution of 1280x800 pixels.

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
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

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 VACRON IP surveillance software. The 'Auto Add IPCam' checkbox is checked. The table below lists the configured cameras:

#	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	Link
14	Vacron	Auto	169.8.170.16	80	admin	1245	Link
15	Vacron	Auto	192.168.4.221	80	admin	admin	Link
16	Vacron	Auto	192.168.4.225	80	admin	admin	Link

Buttons: Accept, Reset, Default

1. T 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 :

#	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	

Accept Reset Default

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

7.3) Color

#	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

Accept Reset Default

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

7.4) PTZ

IP surveillance

LIVE VIEW | PLAYBACK | STATUS | **SETTINGS** | P804 V245 (202102/01 17:30:09) | admin | [Logout](#)

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

Accept Reset Default

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

7.5) Audio

IP surveillance

LIVE VIEW | PLAYBACK | STATUS | **SETTINGS** | P804 V245 (202102/01 17:30:09) | admin | [Logout](#)

Audio

Enable Audio ☒

Audio Source Line In

Accept Reset Default

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 'IP surveillance' web interface. The top navigation bar includes 'LIVE VIEW', 'PLAYBACK', 'STATUS', and 'SETTINGS'. The 'SETTINGS' tab is active, and the 'Network' section is selected in the sidebar. The main content area is titled 'Network' and contains two main sections: 'IP' and 'MAC'.

IP Configuration:

- DHCP:** A radio button option.
- Static IP:** A radio button option, currently selected. It includes fields for:
 - Full Hostname
 - MTU: 1500
 - IP address: 192.168.7.112
 - Subnet mask: 255.255.240.0
 - Default Gateway IP: 192.168.10.98
 - MTU: 1500
- PPPoE:** A radio button option. It includes fields for:
 - PPPoE Account
 - PPPoE Password
 - Confirm Password
 - MTU: 1492
- DNS Assignment:** Radio buttons for 'Auto' (selected) and 'Manual'.
- Primary DNS Server:** 8.8.8.8
- Secondary DNS Server:** 168.96.1.1

MAC Configuration:

- Factory Default MAC Address:** 0016550A0309
- Current MAC Address:** (Empty field)
- Buttons:** Accept, Reset, Default

1. Network Setting :

- 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.
- Platform:** This setting is to activate data relayed from central server. Only remote accessible device and server connection users support.
- MAC:** MAC is reserved for manufacturers to recognize production time and category of products.

7.8) DDNS

The screenshot shows the 'DDNS' configuration page in the IP surveillance software. The interface includes a top navigation bar with 'LIVE VIEW', 'PLAYBACK', 'STATUS', and 'SETTINGS'. The 'SETTINGS' tab is active, and the 'DDNS' sub-tab is selected. The left sidebar lists various settings categories. The main form for DDNS includes the following fields:

- Register to DDNS: ☐
- Server Address:
- Full Hostname:
- Login ID:
- Password:
- Behind NAT: ☒
- Update Interval (60 - 3600 sec):
- Custom: ☐

Buttons for 'Accept', 'Reset', and 'Default' are located at the bottom of the form.

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

The screenshot shows the 'Network Protocol' configuration page in the IP surveillance software. The interface includes a top navigation bar with 'LIVE VIEW', 'PLAYBACK', 'STATUS', and 'SETTINGS'. The 'SETTINGS' tab is active, and the 'Network Protocol' sub-tab is selected. The left sidebar lists various settings categories. The main form for Network Protocol includes the following fields:

- HTTP:
 - HTTP Port [1 - 65535]:
- P2P:
 - Enable: ☒
- Platform:
 - Enable: ☒
 - Server Address:
 - Port:

Buttons for 'Accept', 'Reset', and 'Default' are located at the bottom of the form.

Modify the dvr HTTP PORT · factory default = 80 PORT

P2P : P2P surveillance option default is the option enable.

Platform : Platform connection default is the option enable.

8. Maintenance

8.1) User Account

#	User Account	Password	Confirm Password	Role
1	admin	*****	*****	Admin
2	1234	*****	*****	Operator
3	admin	*****	*****	Disable
4	admin	*****	*****	Disable
5	admin	*****	*****	Disable
6	admin	*****	*****	Disable
7	admin	*****	*****	Disable
8	admin	*****	*****	Disable
9	admin	*****	*****	Disable
10	admin	*****	*****	Disable

Accept Reset Default

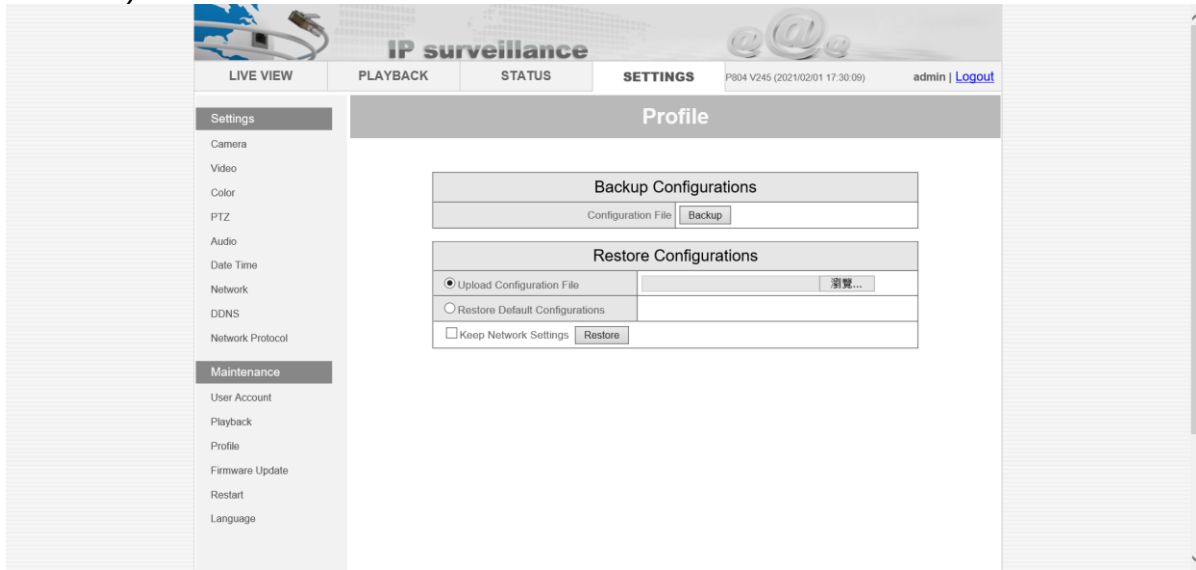
MAX. 10 users. Only Administrator can setup the remote playback function for each user °

8.2) Playback

#	Start Time	End Time	Duration	Type
1	2021-01-05 10:29:46	2021-01-05 10:53:36	00:03:50 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
2	2021-01-05 10:33:36	2021-01-05 10:41:20	00:07:44 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
3	2021-01-05 10:41:21	2021-01-05 10:43:57	00:02:36 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 1
4	2021-01-05 10:43:57	2021-01-05 10:50:24	00:06:27 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
5	2021-01-05 10:50:24	2021-01-05 10:53:01	00:02:37 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 1
6	2021-01-05 10:53:01	2021-01-05 11:00:53	00:07:52 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
7	2021-01-05 11:00:53	2021-01-05 11:06:03	00:05:10 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 1
8	2021-01-05 11:06:03	2021-01-05 11:11:16	00:05:13 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
9	2021-01-05 11:11:16	2021-01-05 11:13:52	00:02:36 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 1
10	2021-01-05 11:13:52	2021-01-05 11:16:29	00:02:37 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
11	2021-01-05 11:16:29	2021-01-05 11:17:48	00:01:19 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 1
12	2021-01-05 11:17:48	2021-01-05 11:21:45	00:03:57 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
13	2021-01-05 11:21:45	2021-01-05 11:26:59	00:05:14 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 1
14	2021-01-05 11:26:59	2021-01-05 11:55:41	00:28:42 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0
15	2021-01-05 11:55:41	2021-01-05 11:58:17	00:02:36 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 1
16	2021-01-05 11:58:17	2021-01-05 12:04:49	00:06:31 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 Download	Disk0 / 0

Select the CH to playback.

8.3) Profile



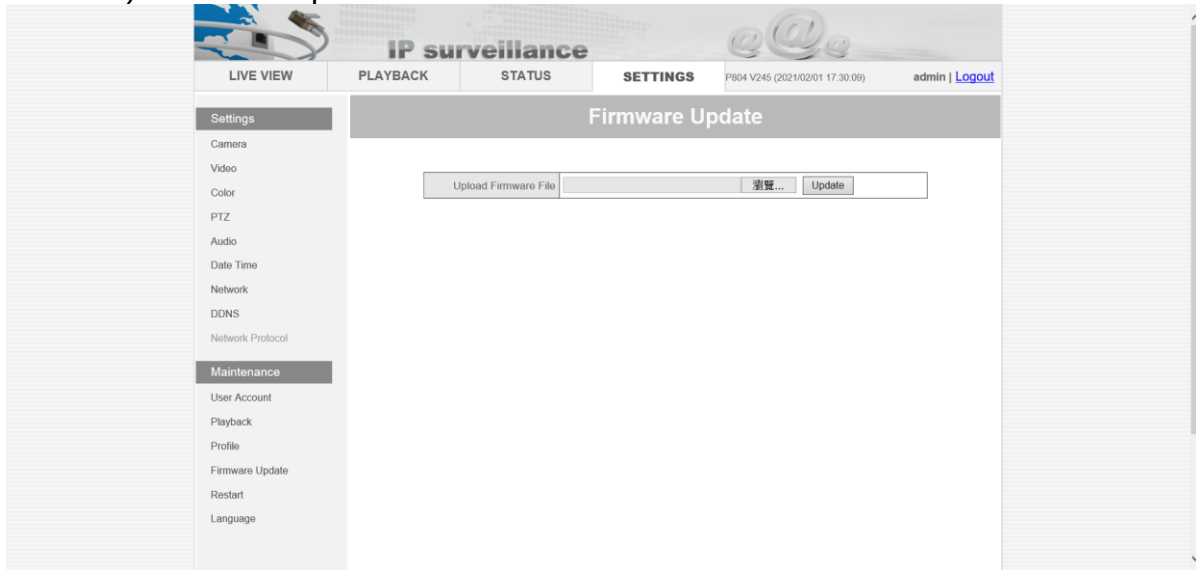
1. Backup Configurations:

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:

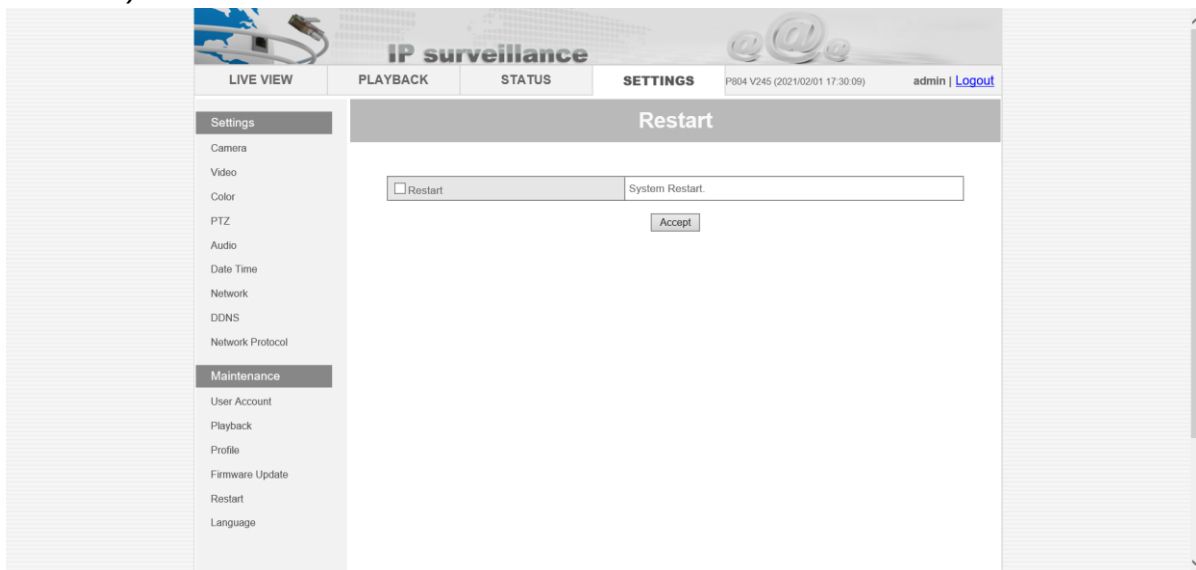
- a) Upload Configuration File: Click Browser to select updated file named profil.bin.
- b) Restore Default Configurations: This function allow user to restore their profile setting after firmware update. Restore custom or default configurations can help users to avoid potential IPC setting conflicts.
- 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



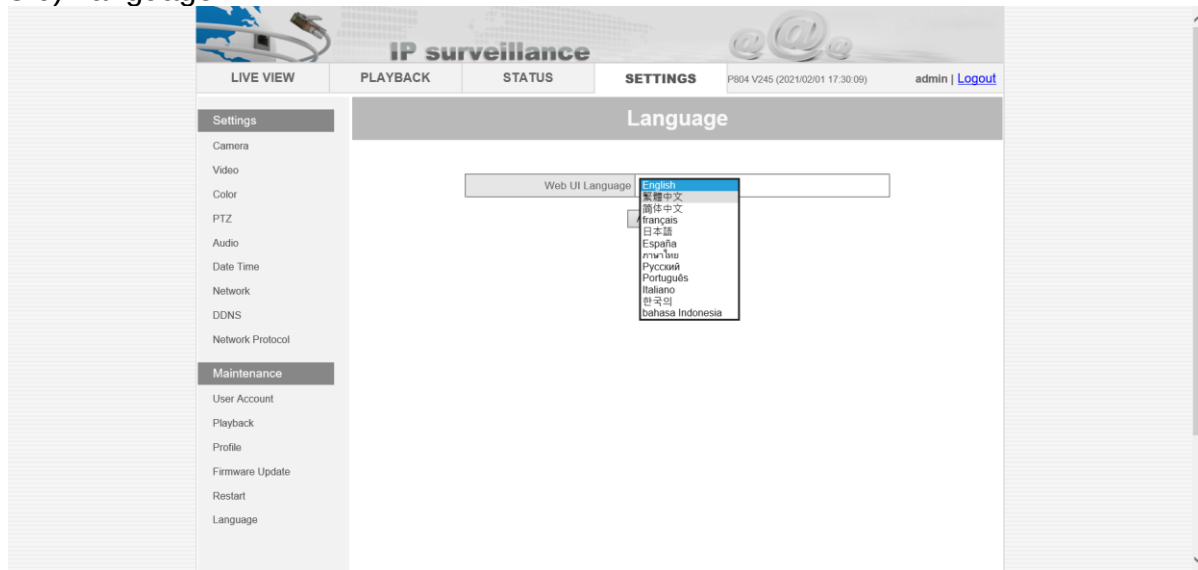
Firmware Update: Users can update their IPC firmware via IE browser. Please visit VACRON homepage for firmware support and version information.

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



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