VACRON
ADVANCES IN SECURITY SOLUTIONS

AHD

Software Operating Instructions

VDG-DK Series

2015 DEC V1.0

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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!	

Chapter 1【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 [wheel button] to change setting values.

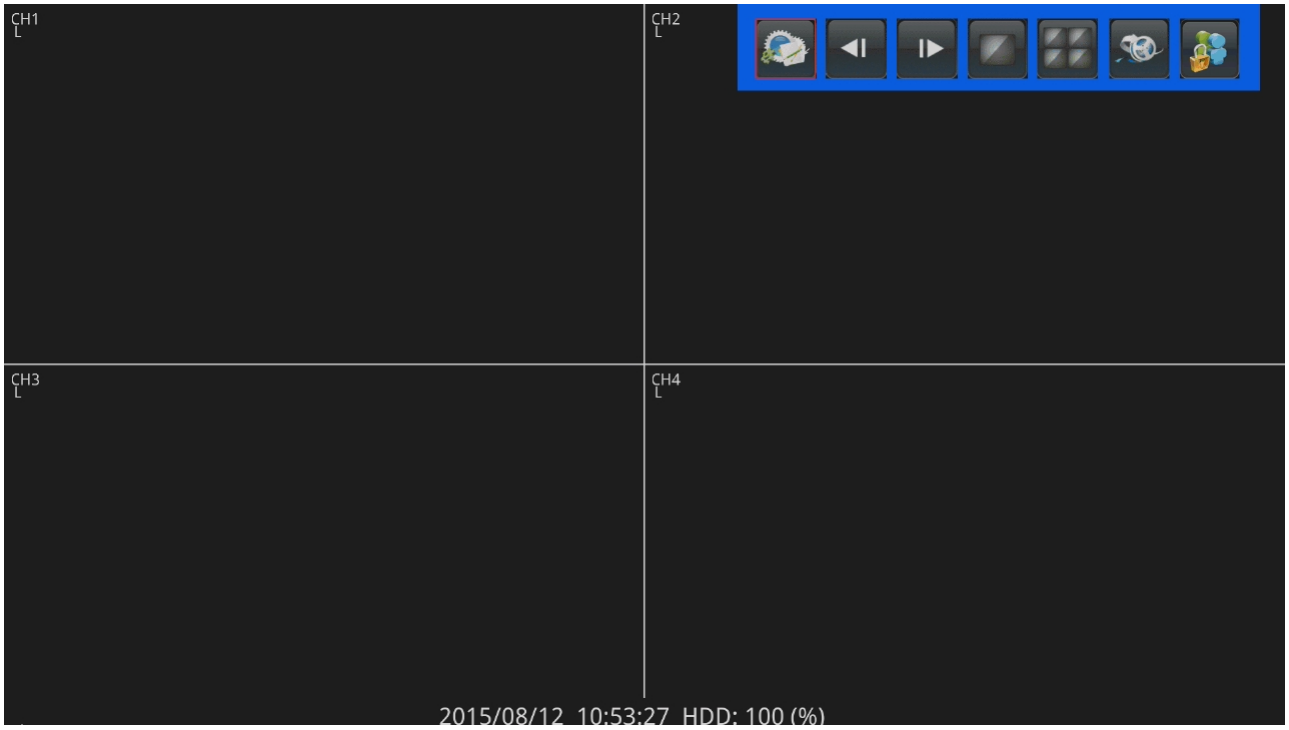
   4.) Quick copy and also apply to all, or click right click to show min-keyboard

Chapter 2【Setting operation】

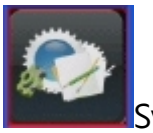
1. Main Screen Operating Instructions

   1.1 DVR offers 2 operating areas, please right-click on the viewport to display the control panels (shown below).

   1.2 Windows in NVR is designed to be draggable (shown below).

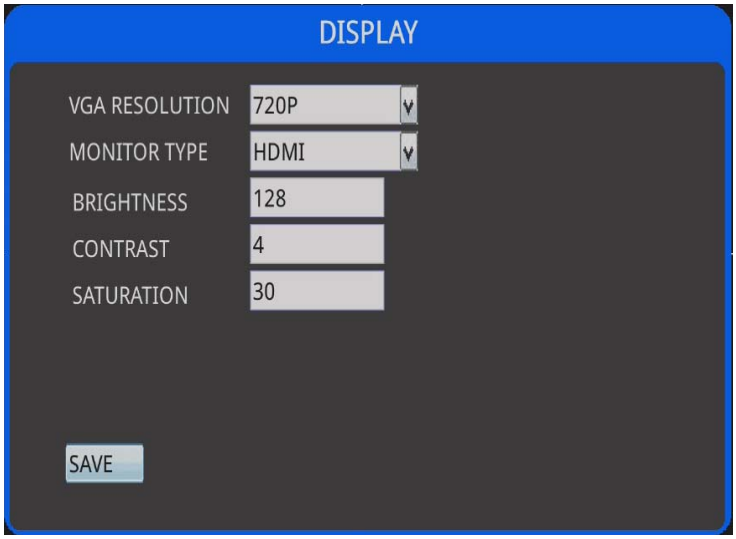


- The monitor screen will appear directly below, monitoring schedule and storage DVR's hard drive usage percentage.

2.  System Settings

- In real-time monitoring viewports there are eight main buttons.
- After 60 seconds of no operations it will automatically jump back to the monitor screens

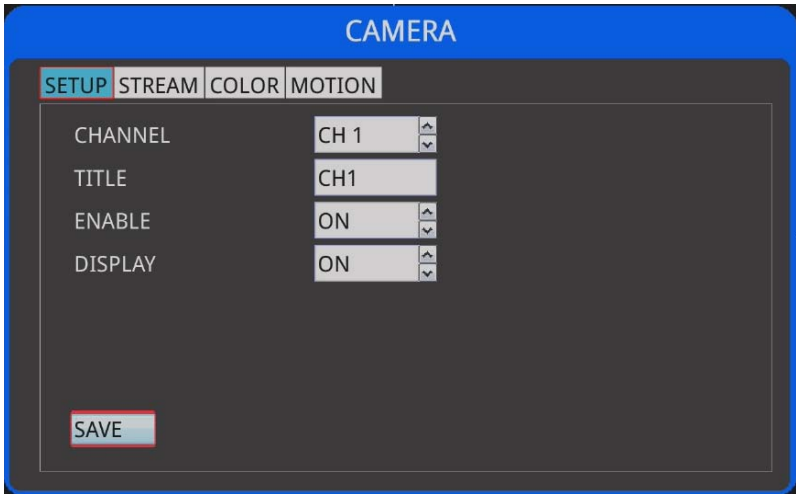
2.1 Display



1) Resolution: 1080P, 720P, SXGA, XGA.
2) Display: Support HDMI or CVBS display simultaneously
3) Brightness: adjust the brightness of the screen output.
4) Saturation: adjust the screen output saturation.
5) Save.

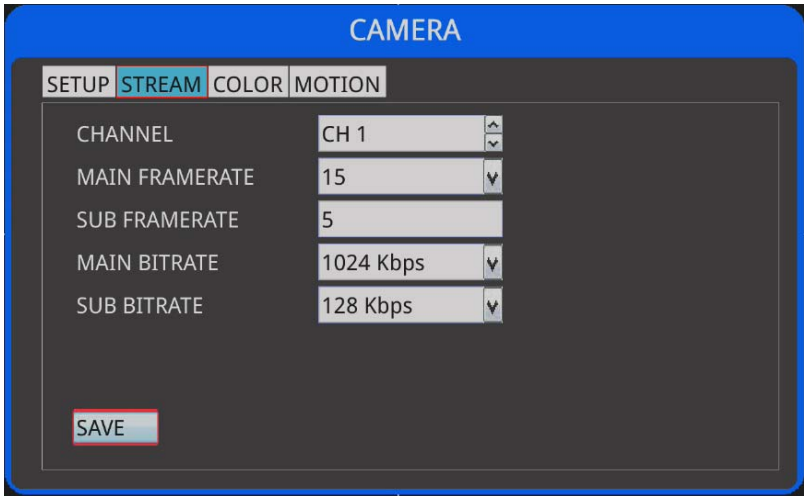
2.2 Camera Setting

1) Channel: Use arrow keys to select channels
2) Channel Name: The name of the channel
3) Enable: ON for recording; OFF is no recording
4) Display: Use the arrow keys to turn ON to display, OFF to turn OFF the display
5) After setting is completed and saved, it will store the value automatically.



◆ Video：

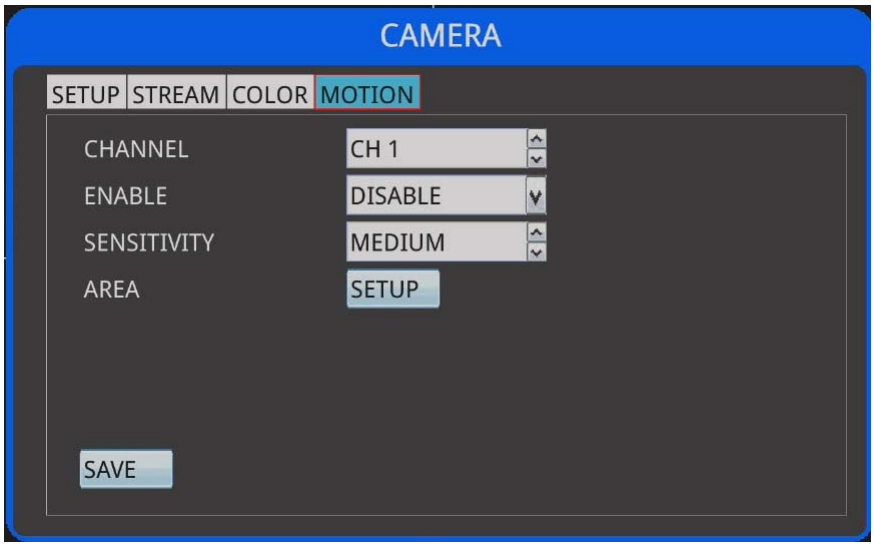
1) Channel: Use arrow keys to select channels
2) Main streaming: choose 5,10,15,20,25,30; Default = 15
3) Sub-streaming: 15
4) Main-stream bit rate：256Kbps、512Kbps、1024Kbps、2048Kbps. Default = 2048Kbps
5) Sub-streaming： 64Kbps、128Kbps、192Kbps、256Kbps；Default = 256Kbps
6) Save after complete



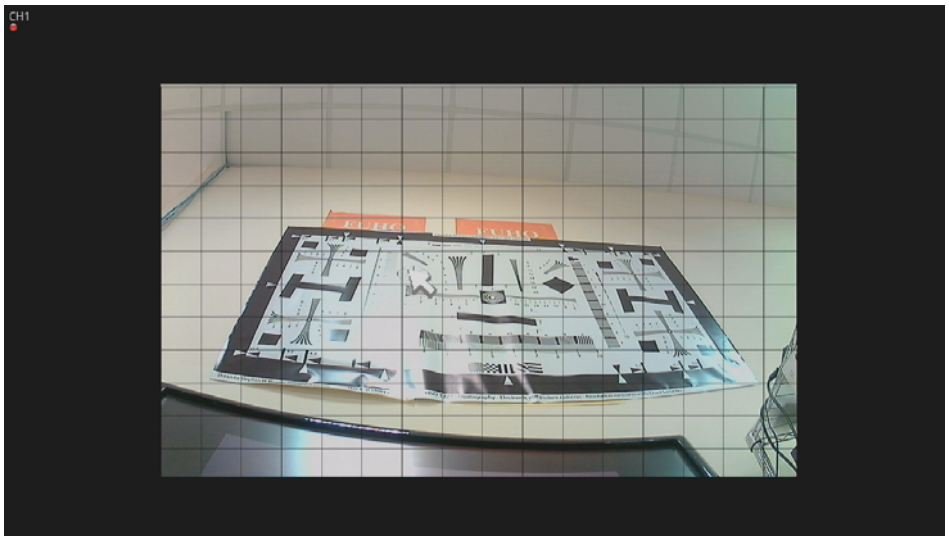
◆ Colors：Adjust colors for each output channels then click save to exit.

◆ Motion Detection：

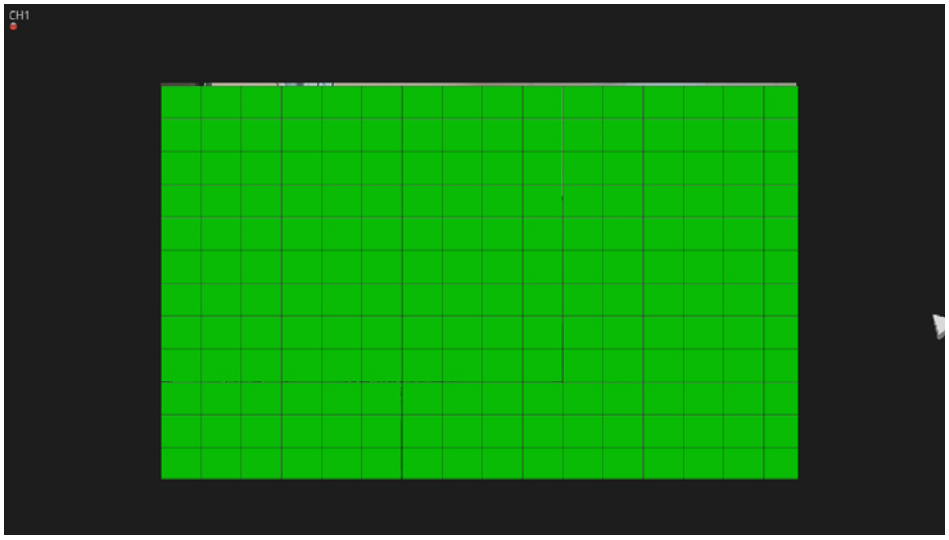
Each frequency can be turned on with motion detection and sensitivity adjustments, click the zone after a pre-set selection to trigger motion detection area



Setting ago：

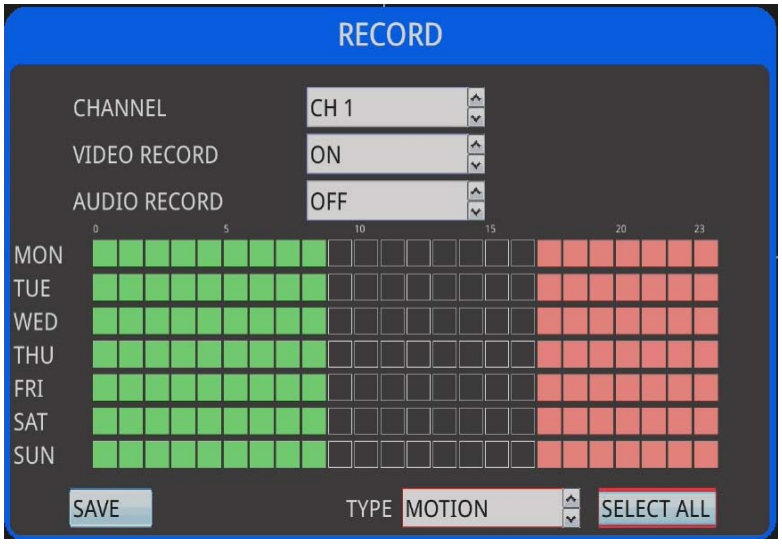


After setting：

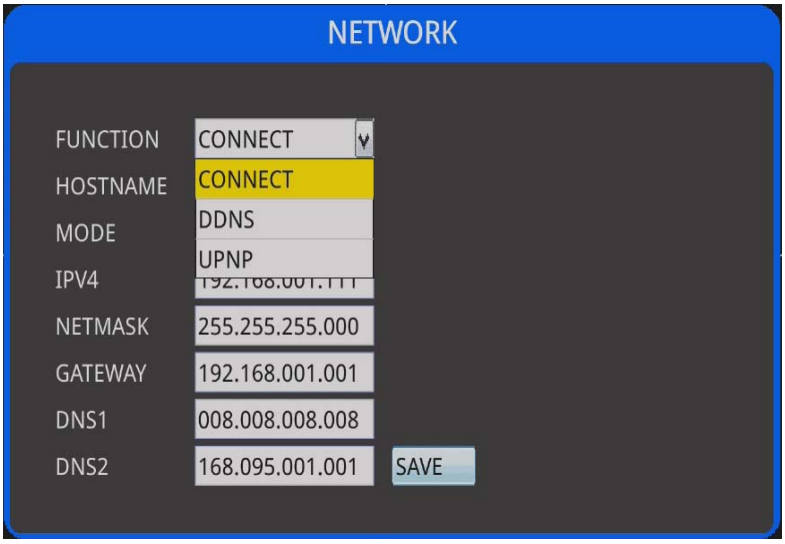


2.3 Record Settings

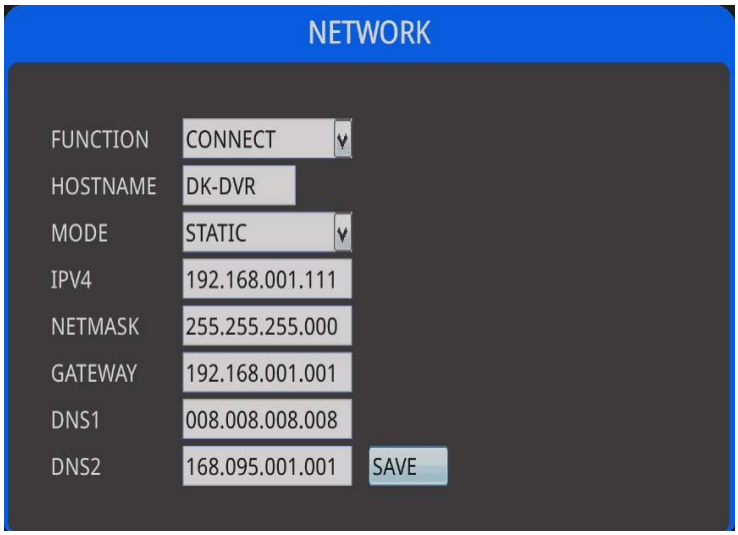
Each channels can be configured to record, RED means under motion detection mode, where black isn’ t going to record.



2.4 Internet

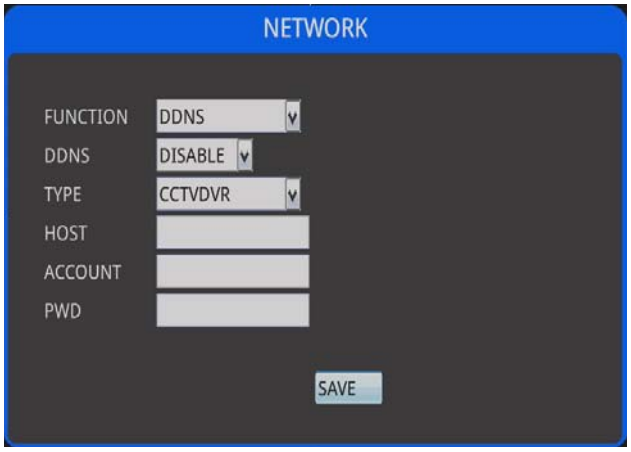


1) CONNECT



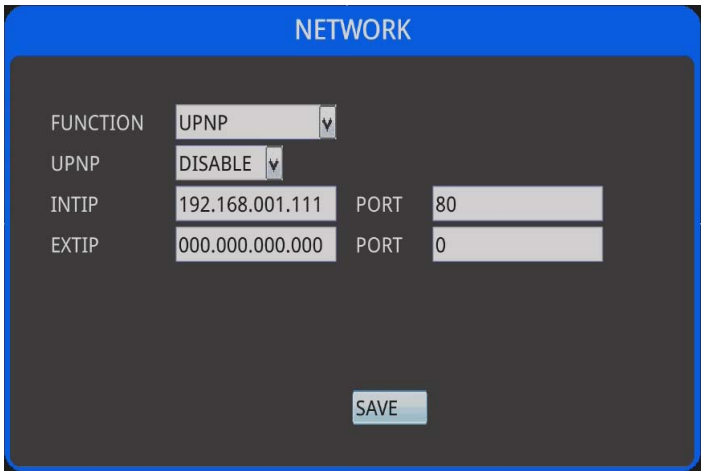
a) Functions：CONNECT、DDNS、UPNP
b) Server Name：Default is VACRON
c) Mode： STATIC、DHCP、PPPOE
d) IPV4：Enter your IP address here, default is 192.168.1.111
e) Subnet Mask：Enter your Subnet Mask here, default is 255.255.255.0
f) Gateway：Enter your Gateway here, default is 192.168.1.1
g) Save to exit。

2) DDNS



a) Function： CONNECT、DDNS、UPNP
b) DDNS：Default is off
c) Type： CCTVDVR、NO-IP
d) Server：Enter your DDNS address
e) Username：Enter your username from your DDNS provider
f) PWD：Enter your password from your DDNS provider
g) Save to exit

3) UPNP



a) Function： CONNECT、DDNS、UPNP

b) UPNP：ON/OFF, you will need a router that supports this function

c) INTIP：This must be the same as the given IP address you previously set

d) PORT：Can be configured, default is 80

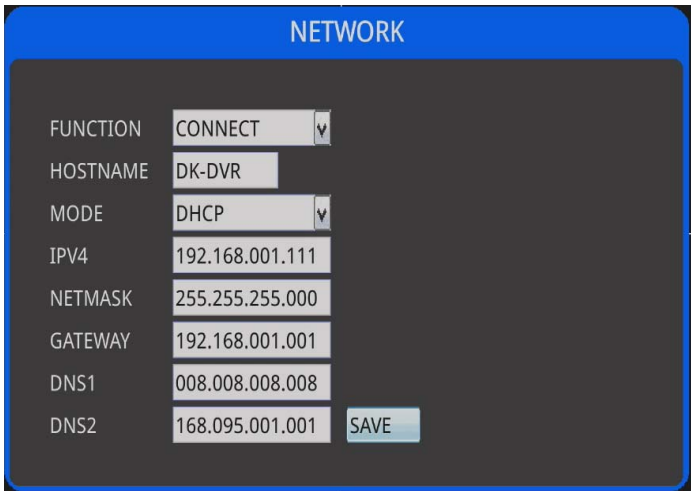
e) EXTIP：When UPNP is on，it will be assigned by your router accordingly.

f) PORT：When UPNP is on，it will be assigned by your router accordingly

Save to exit.

4) DHCP

5) 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



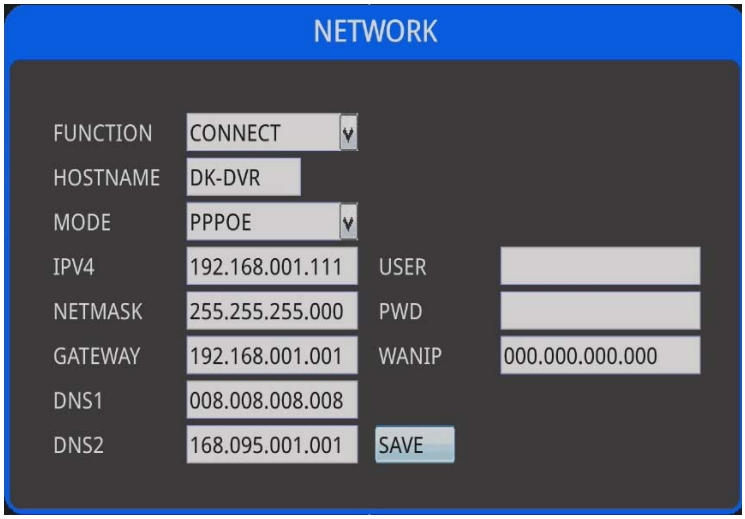
6) PPPOE：

If you change the mode to PPPOE, the columns below will switch to below accordingly.

Username：Enter your PPPOE user name from your ISP

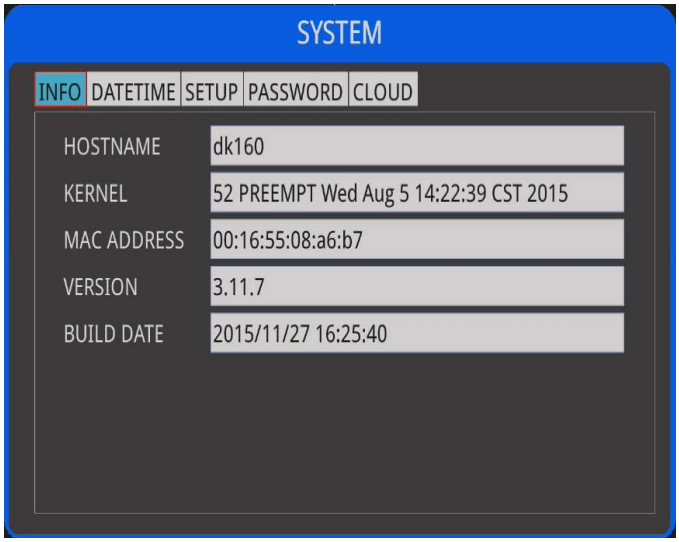
PWD：Enter your PPPOE password from your ISP

WANIP：This column is self-configurable after you successfully connected to the internet.

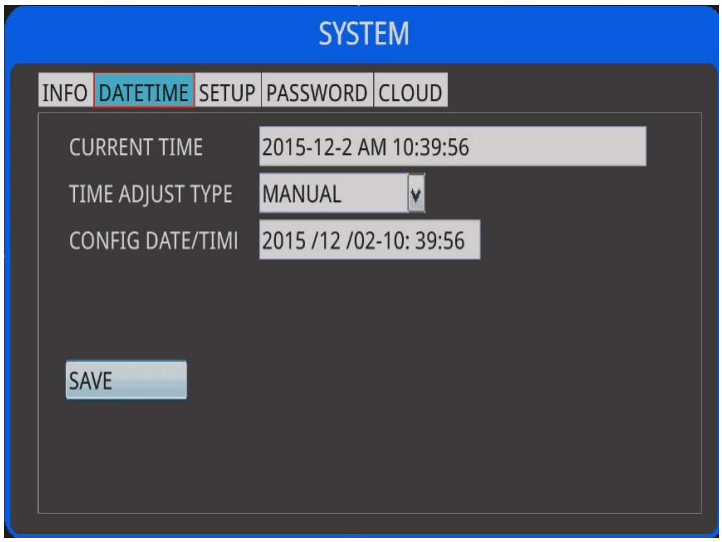


2.5 System Settings

1) Info: Display your DVR’ s name and firmware number



2) Date & time



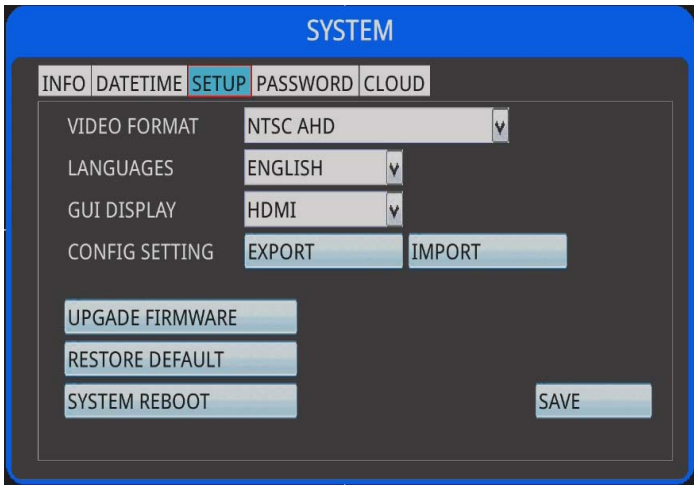
a) Current time： Your time

b) Adjustment： MANUAL or NTP.

c) NTP Server：Enter your NTP server.

d) Area：Enter your time zone.

3) Settings：



a) Video Formats

NTSC AHD : NTSC AHD

PAL AHD : PAL AHD

NTSC 960H : NTSC 960H

PAL 960H : PAL 960H

NTSC 960H_AHD : Channel 1~2 are NTSC 960H，Channel 3~4 are NTSC AHD

PAL 960H_AHD : Channel 1~2 are PAL，Channel 3~4 are PAL AHD

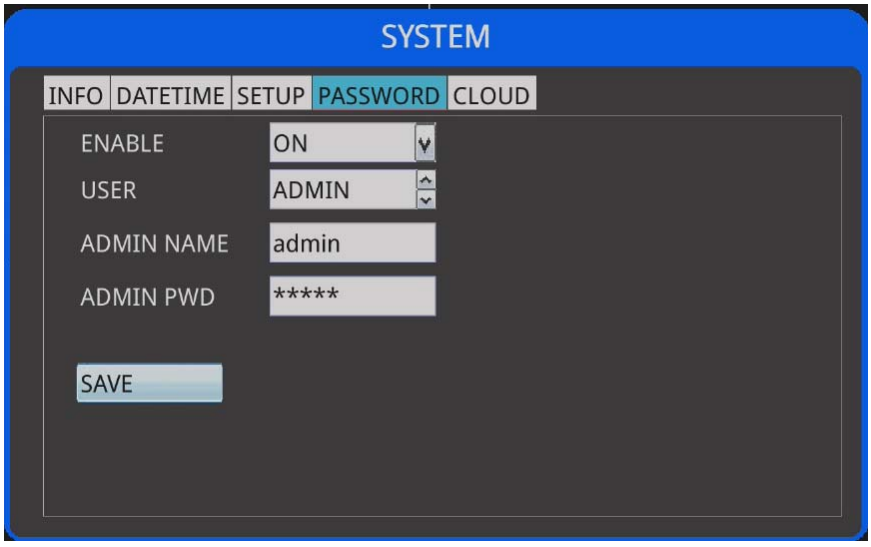
b) UPGADE FIRMWARE : Update firmware from USB

c) RESTORE DEFAULT : Reset to factory defaults

d) SYSTEM REBOOT : Restart your DVR

e) GUI DISPLAY:: it can be selected either HDMI or CVBS

4) Password：



Activate：ON/OFF

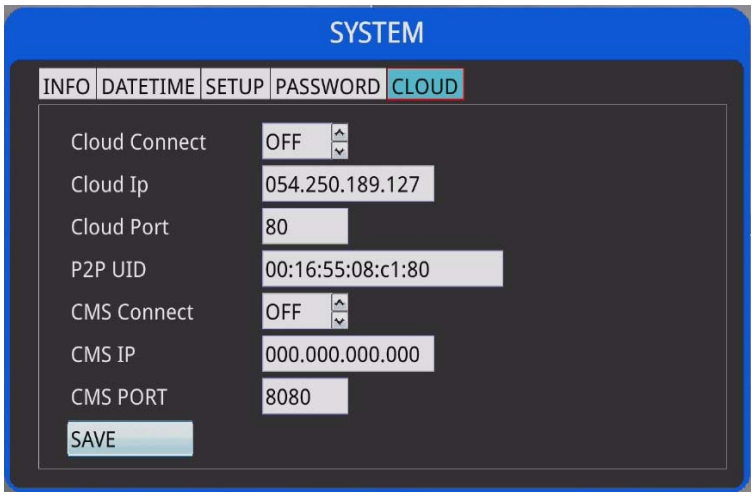
Role：Select ADMIN or from USER1~9

Username：The default ADMIN is admin，default for USER1~9 is user

Password：Default ADMIN is admin，default for USER1~9 is password

Save to exit

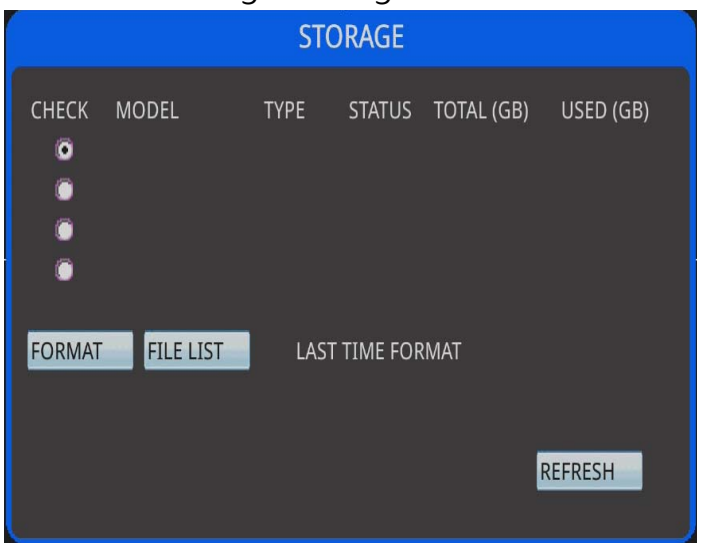
5) Cloud：



1) Connect: ON/OFF。
2) Cloud address: Connect to your cloud，default is 54.250.189.127
3) Cloud port: Default is 80。
4) P2PID：Designed for APP P2P connections，please refer to mobile apps manuals.
5) CMS Connection: ON/OFF。

6) CMS address: Enter your CMS' IP address。
7) CMS port: Default is 8080。

2.6 Storage Settings

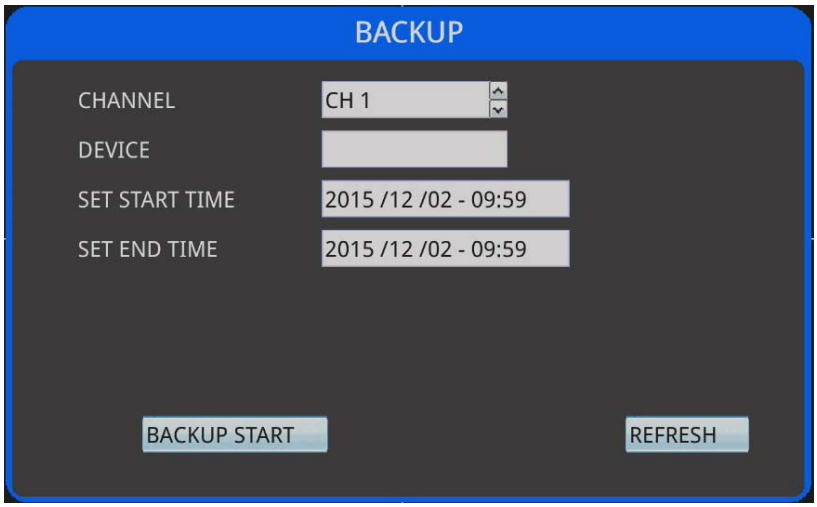


: Format

: File List

: Refresh

2.7 Backup



: Insert your USB Drive & start to backup

REFRESH：Refresh if your USB drive cannot be found

Note: USB Drive must be in FAT32 format

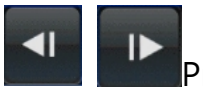
2.8 Sound

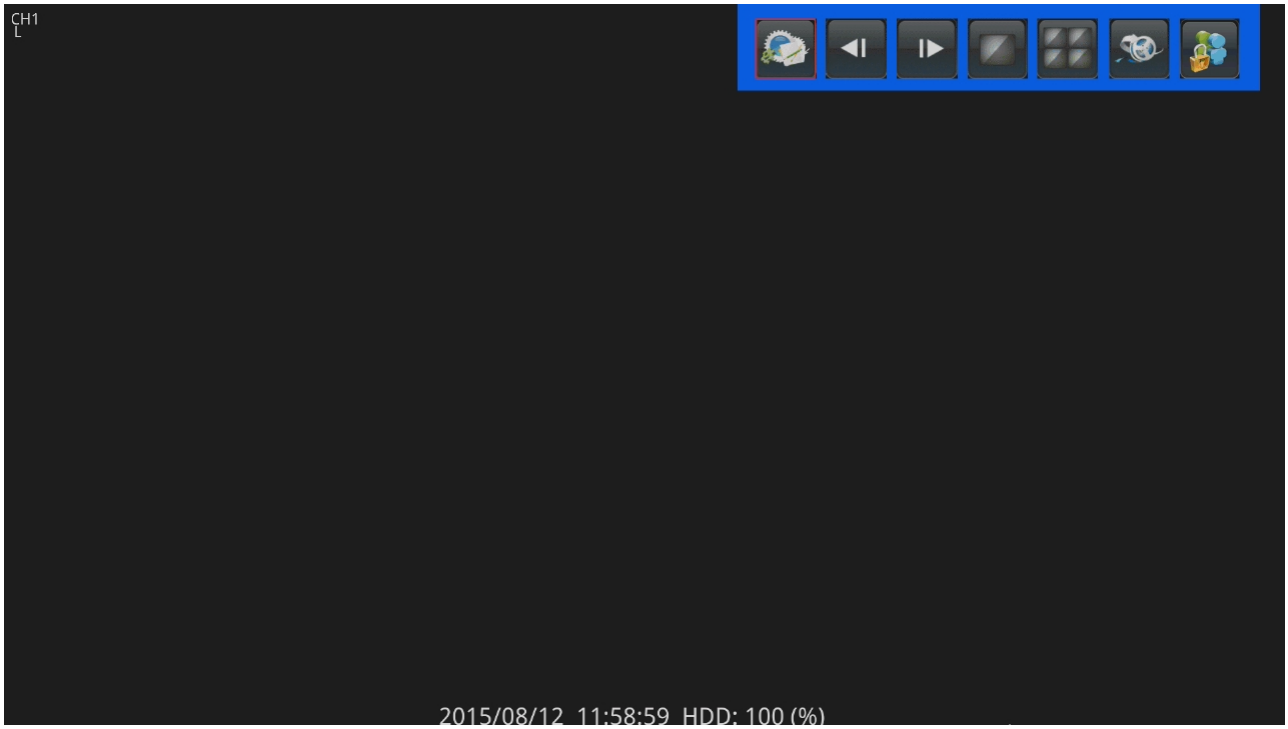
Switch：ON/OFF

Volumn：Could be set to mute (only applies to VGA output)

Device：Can select HD OUT or AIC sound output

SAVE：Save to exit。

■  Previous / Next：

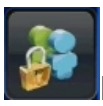


1) Click on Previous to switch to previous viewport。
2) Click on Next to switch to next viewport。

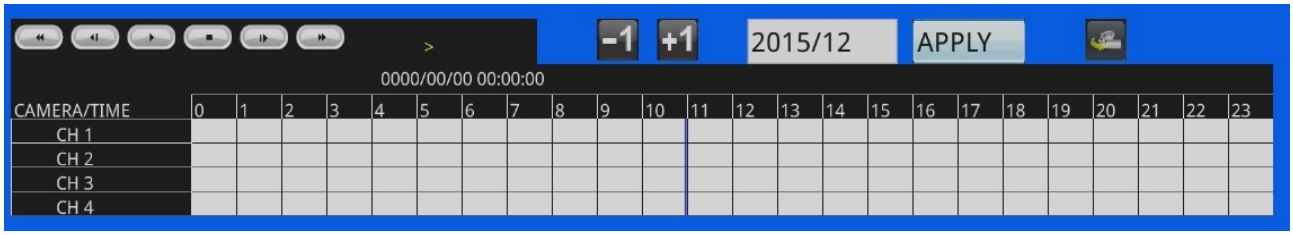
■ Split viewports

1) On your bottom left hand side, you can select the amount of viewports you wish to view.
2) User friendly multi-viewport interface

■ Playback

■  Login / Logout (password must be enabled)

■ : Real-time: Click to return to LIVE view channels



1) The dates with recorded videos will appear after selecting a date, hover the mouse over the date will also display hours which you can playback your videos

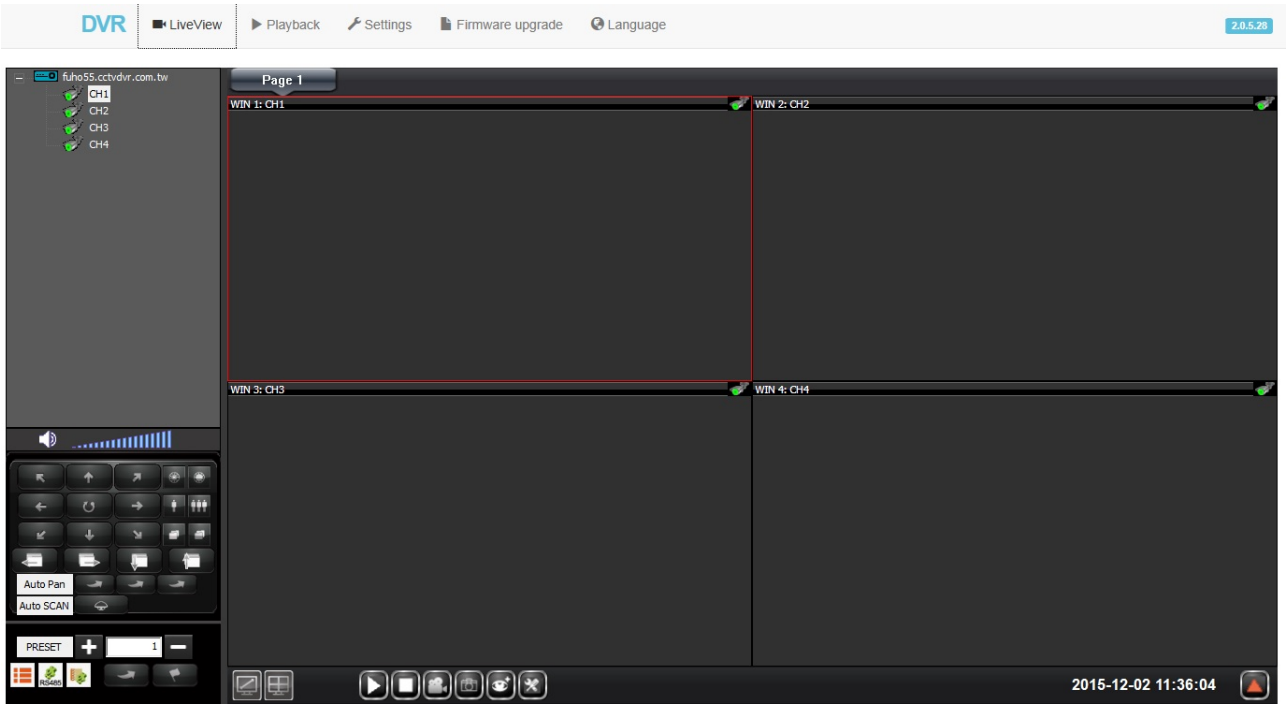
2) You can click on +1 、-1 to slight adjust timeline’ s accuracy。

3) Below is a list of controls you can use。

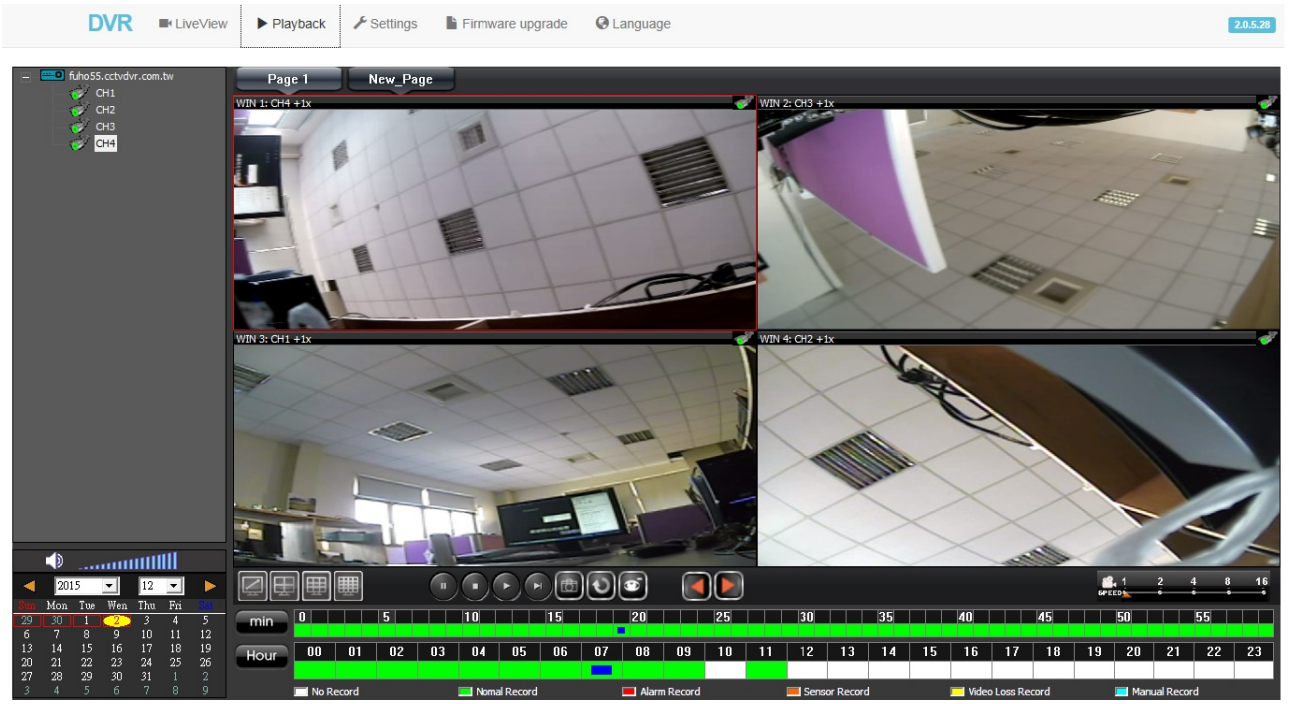
: Play	: Stop	: Fast Backward
: Fast Foreward	: Previous Frame	: Next Frame

Chapter 3【Remote Playback】

1. Open up an IE & enter its IP address
2. Left panel displays a list of available cameras, while on your right displays a viewports of active cameras



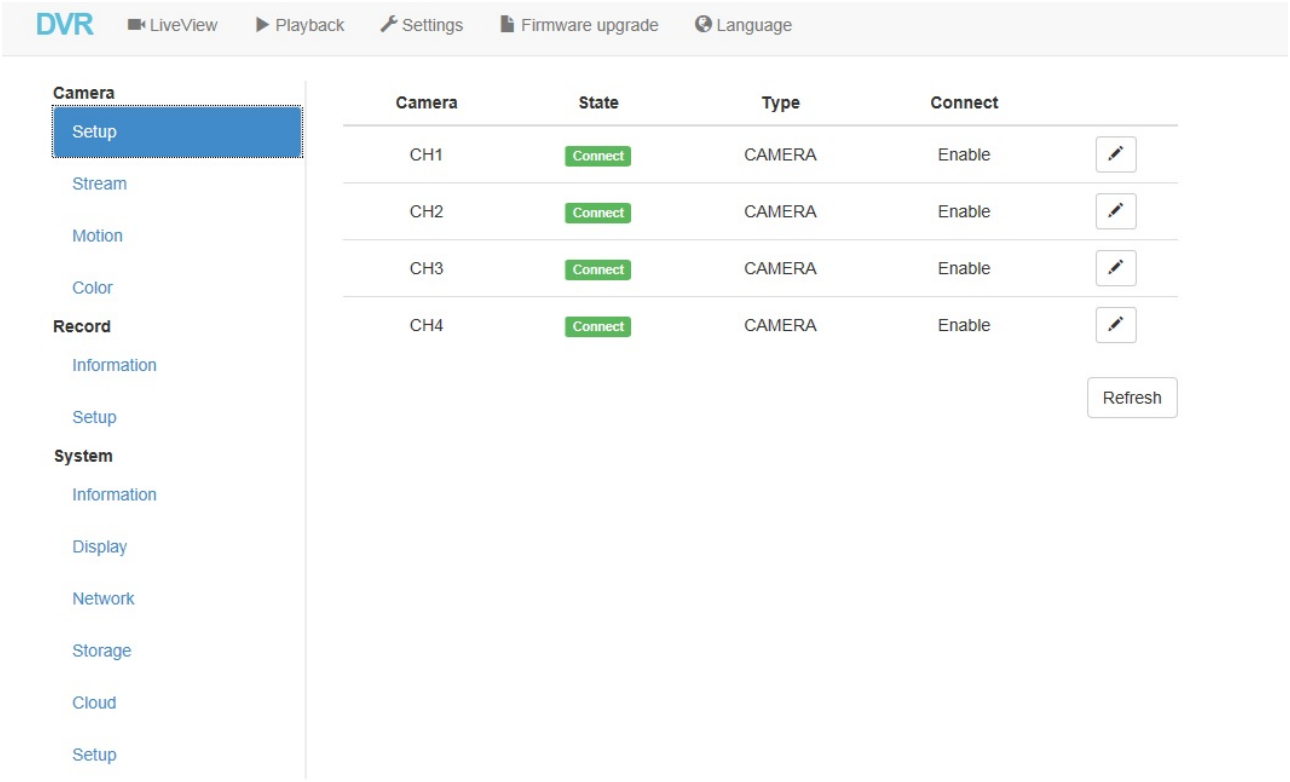
3. Click on Playback, click on the viewport you want to display a timeline of recorded videos
4. Supports maximum 4 channels playback simultaneously , you can also use fast forward to speed up the playback.



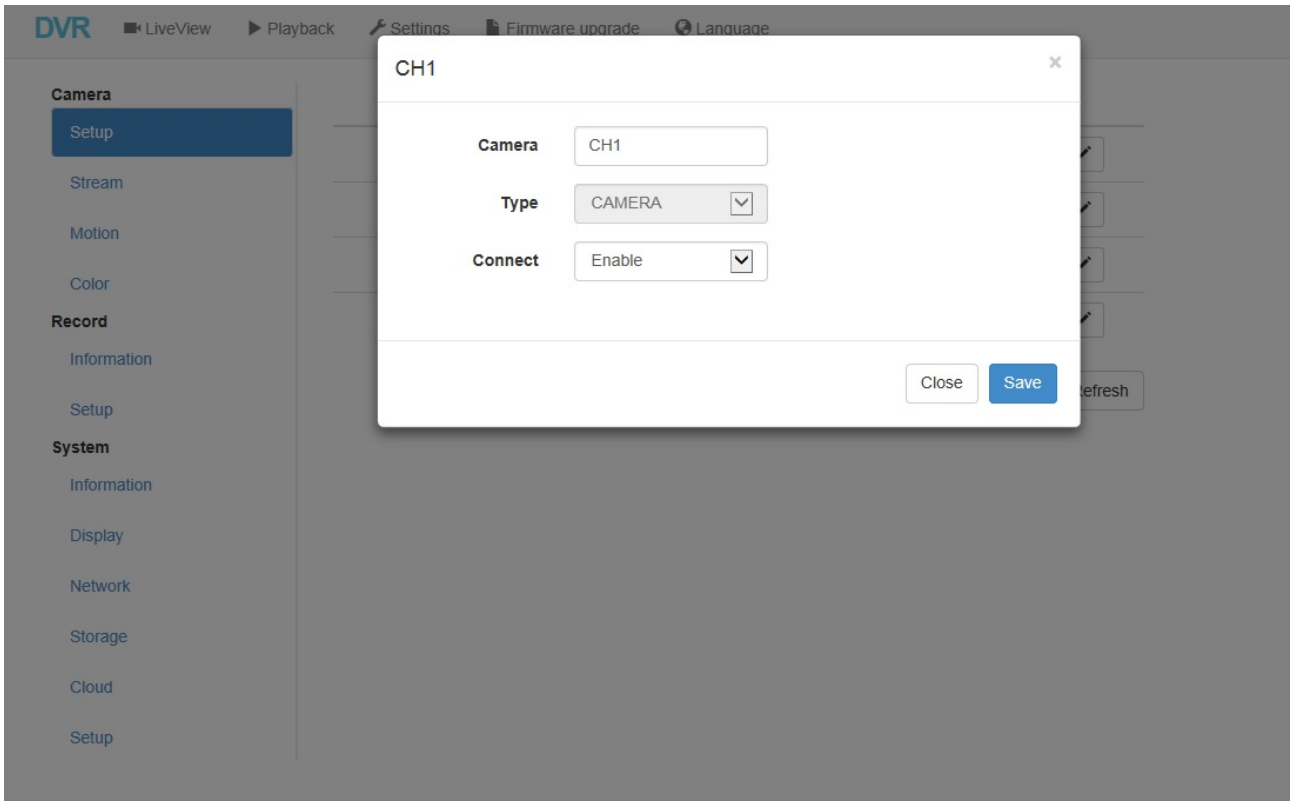
Click on the Settings to modify DVR settings

■ Camera：

Click on the on IMAGE1 will display IMAGE2，you can pick which cameras should be active respectively on this page

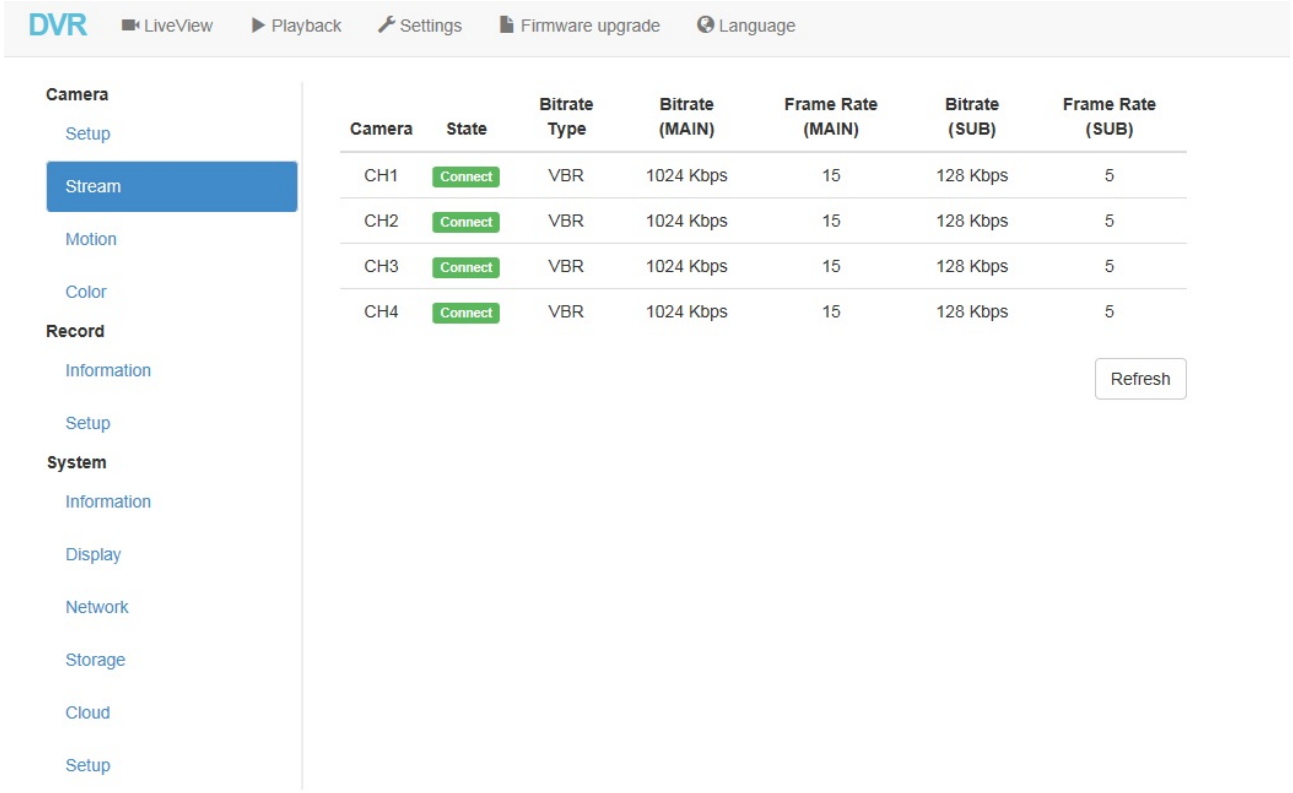


(IMAGE1)

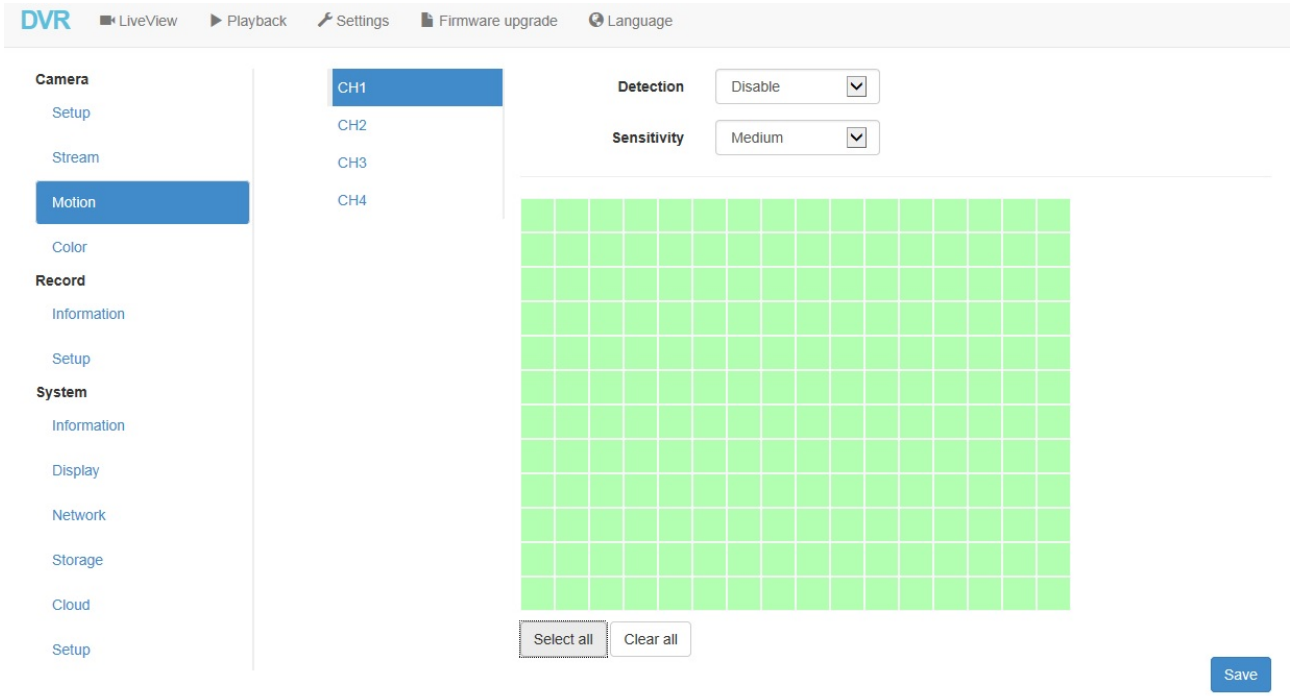


(IMAGE2)

Video streams: It will display the resolution of each channel

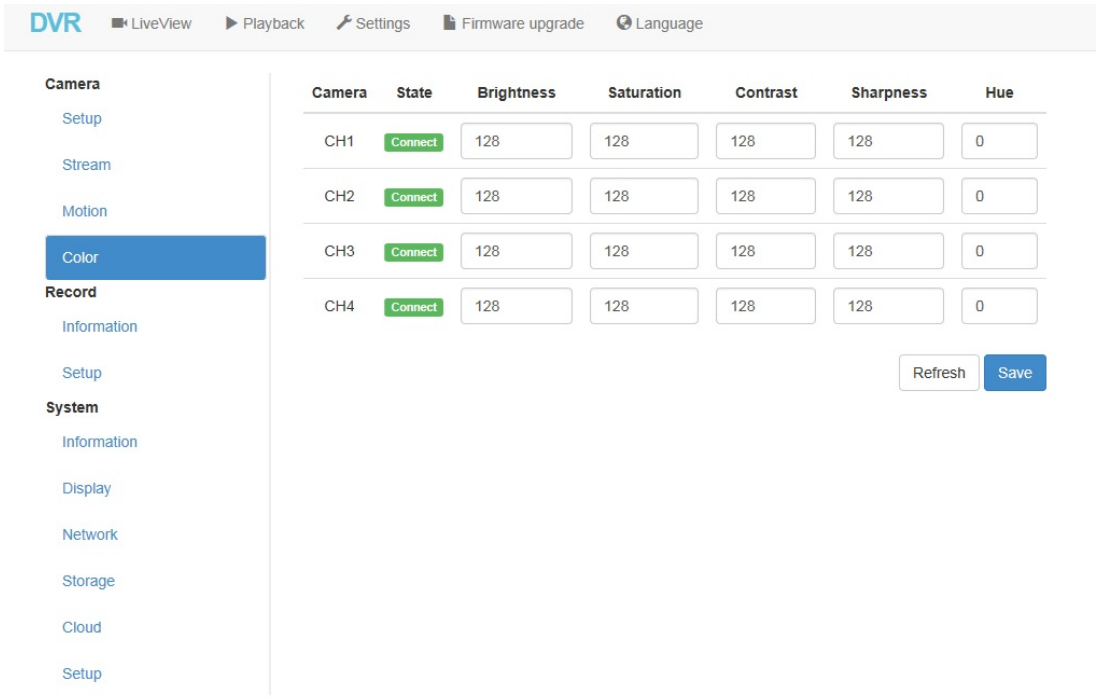


Motion Detection：



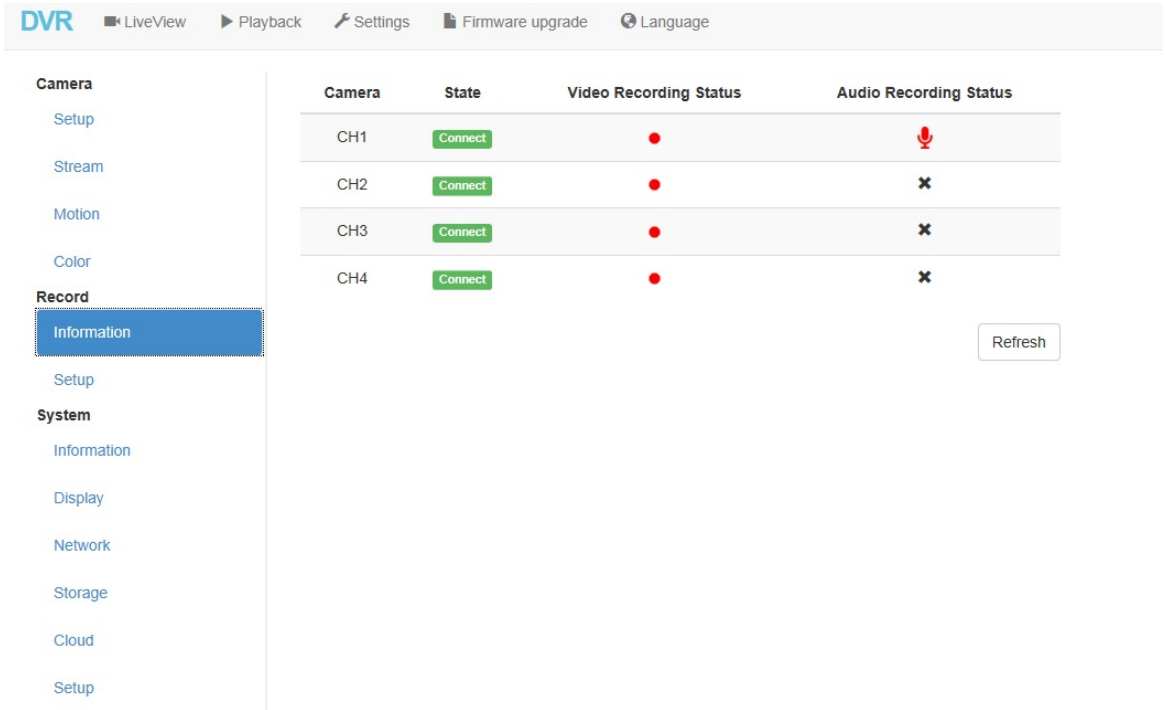
You can turn on or off Motion Detection for each channels

Color Correction: You can adjust brightness / contrast /saturation/ sharpness/tone on this page



■ Recording

● : Recording ×：Not recording : Recording sound



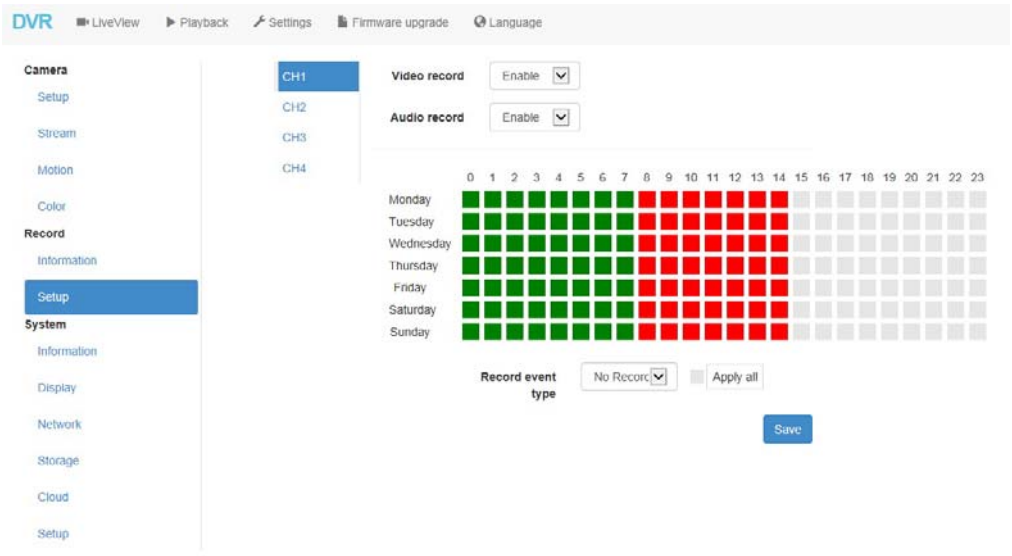
Setting

You can schedule recording for each channel

Green: Normal recording

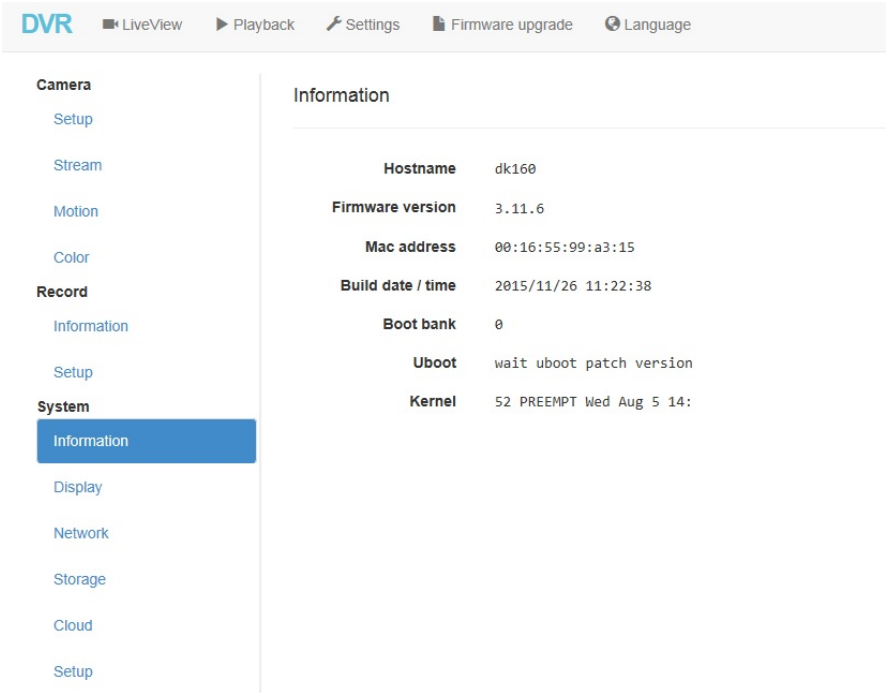
Red: Motion detect recording

White: No Recording

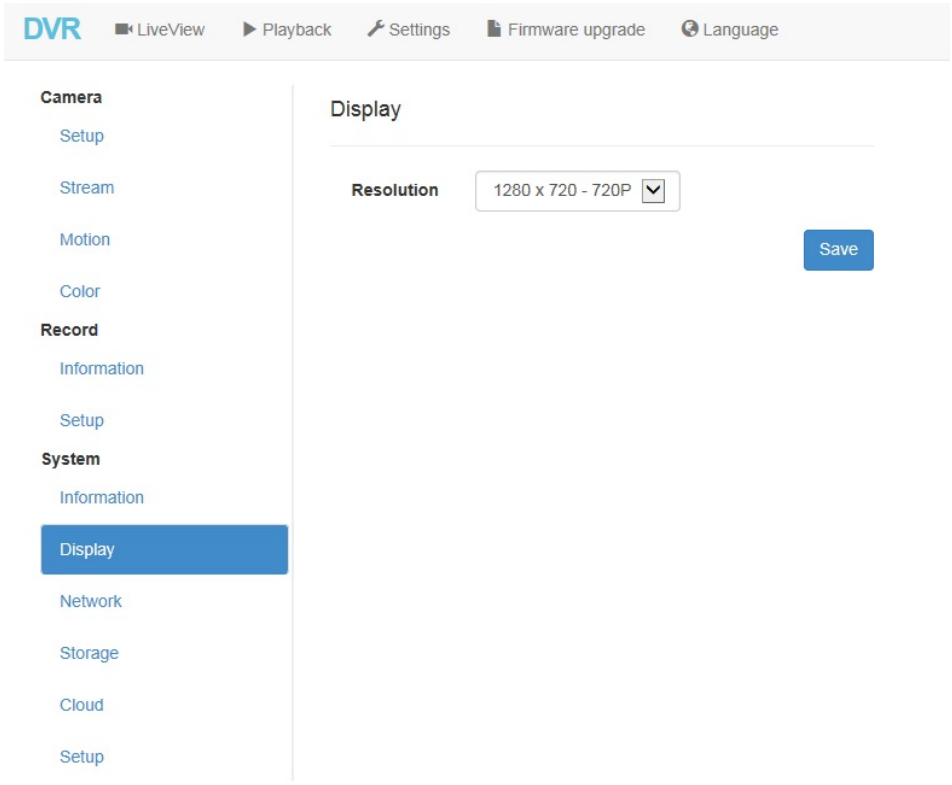


■ System

Display system’ s name & version



Display: Adjust the resolution output from the web



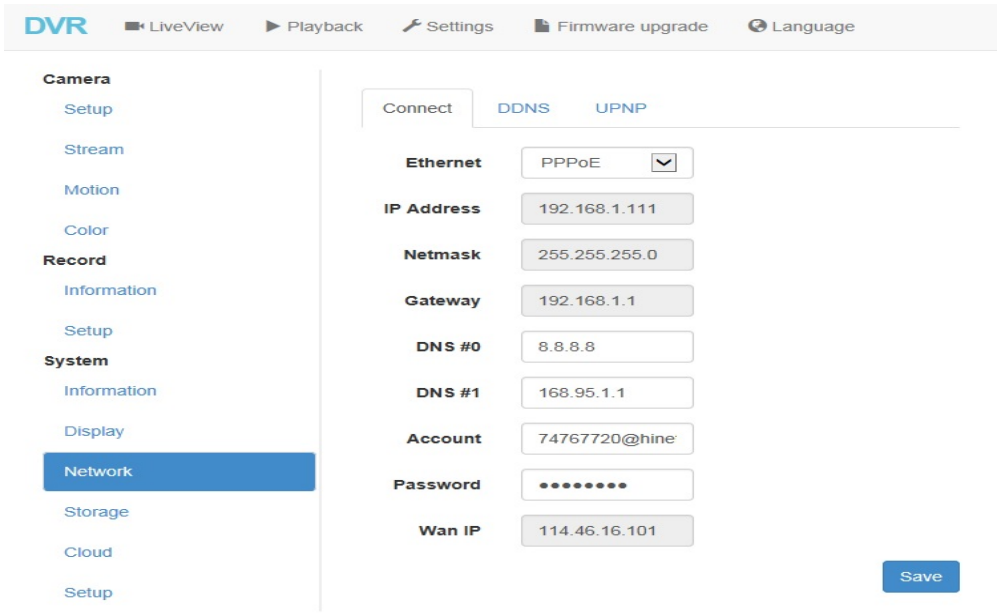
Network：Internet

Supports Static、DHCP & PPPOE

Static：Enter IP address manually

DHCP：Accepts assigned IP address from the router

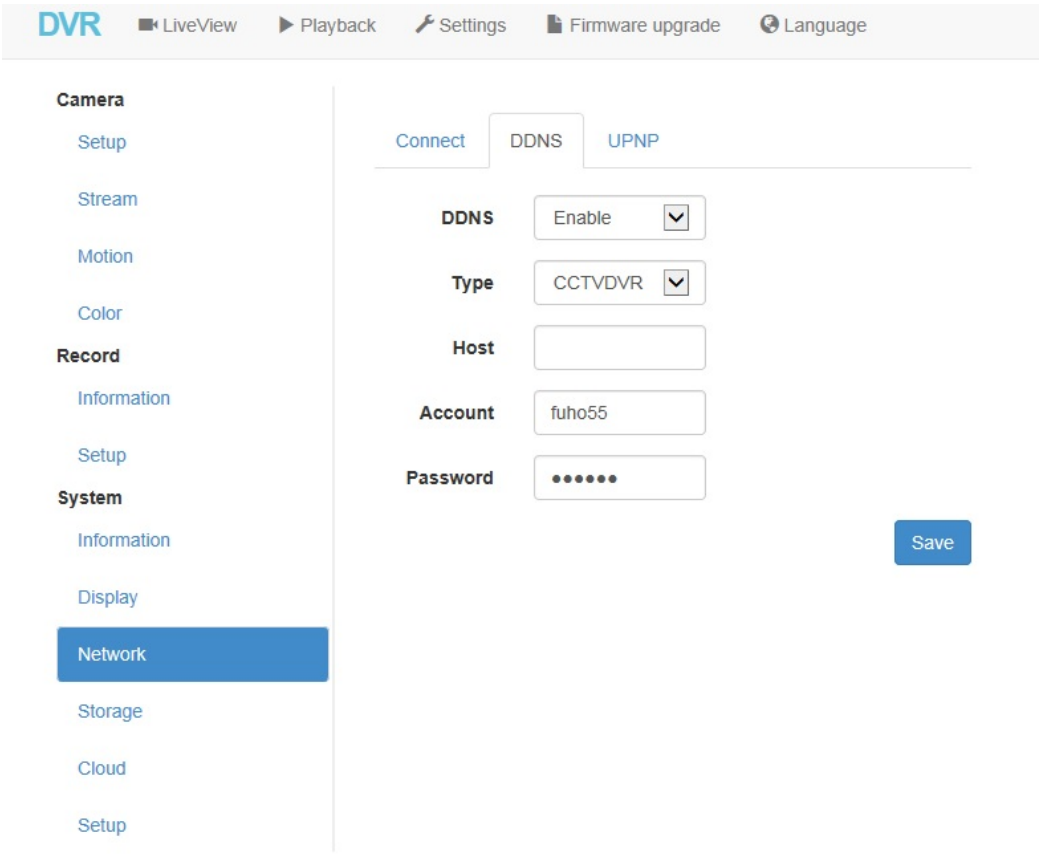
PPPOE: Type the IP address you obtained from ISP, WAN IP address will be displayed accordingly.



DDNS：

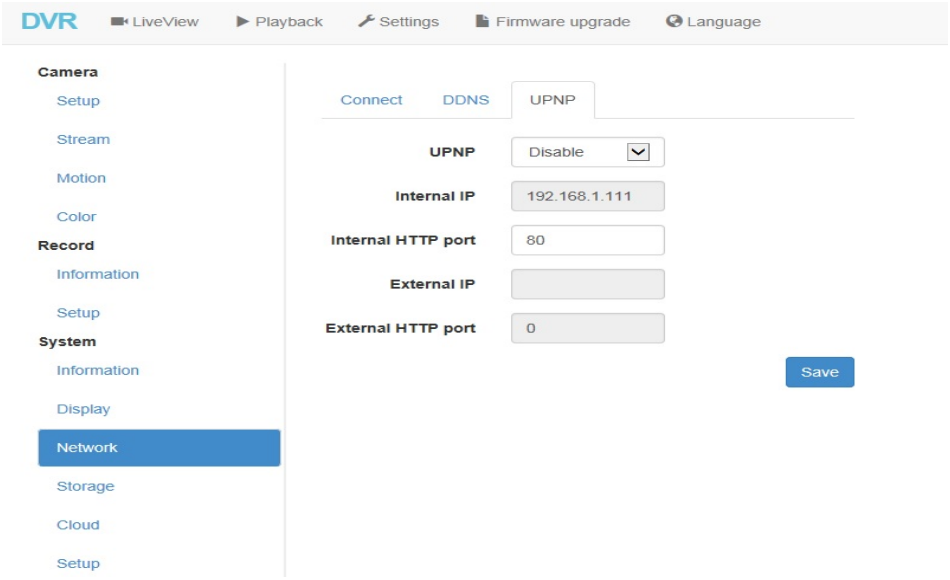
You can enter a DDNS account in case if you have dynamic IP

Currently we support cctvdvr & NO-IP



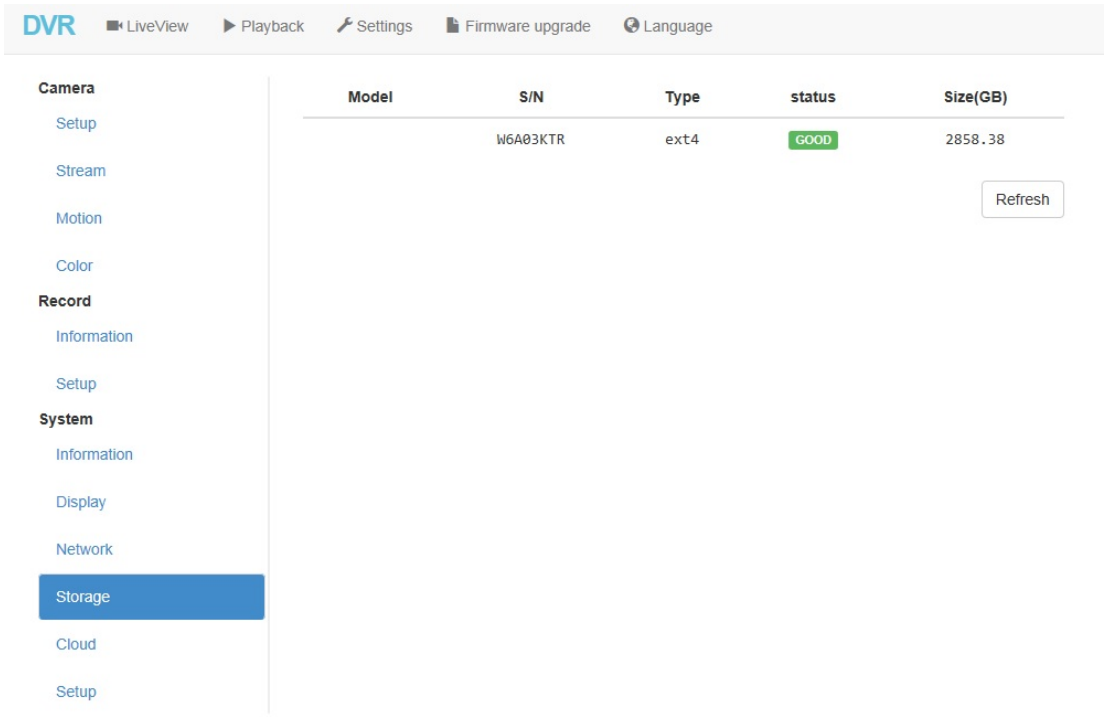
- UPNP：

Your router must supports uPNP before this funciton would work

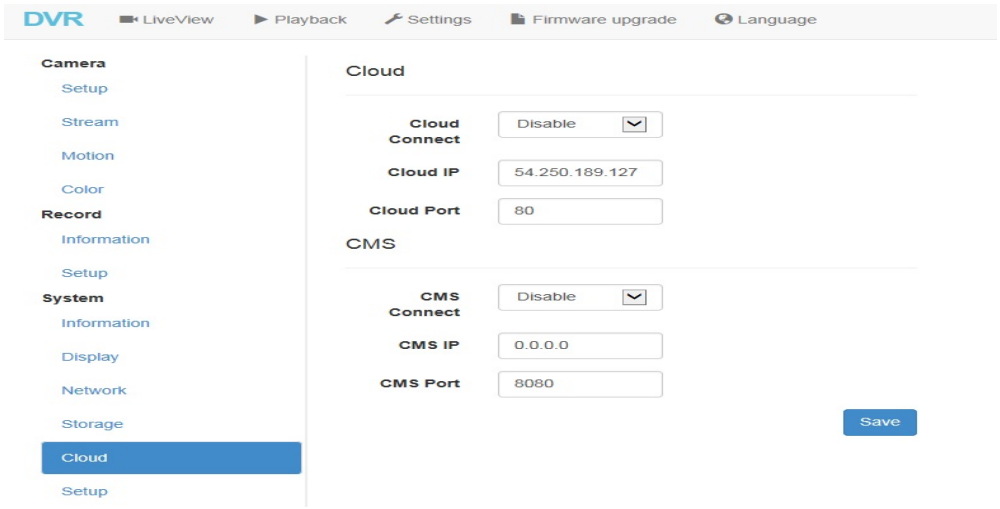


Storage

Display current HDD’ s status



Cloud：



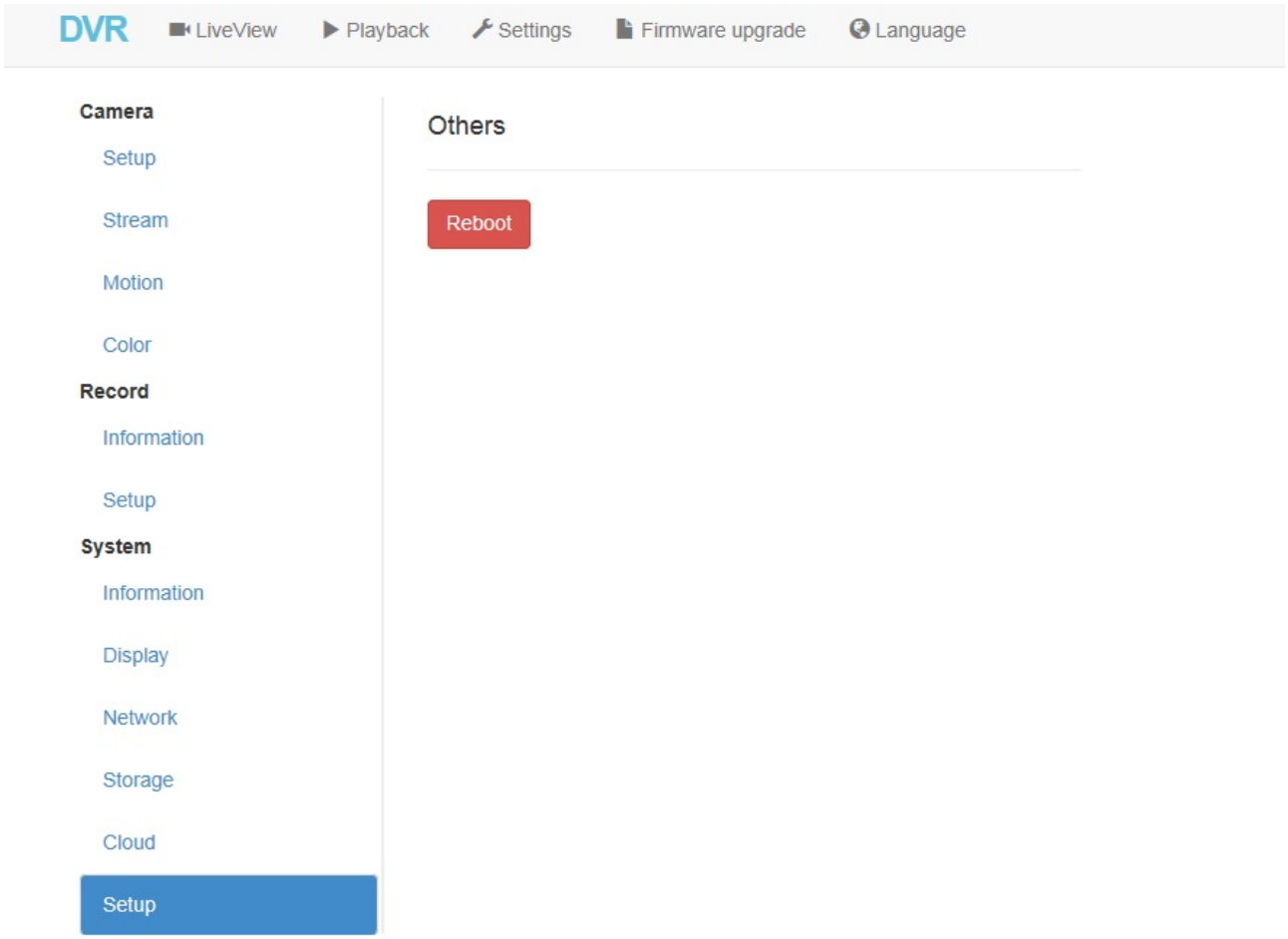
Cloud

Cloud must be configured via mobile apps, please refer to your manual book for more info.

CMS

CMS must be configured via PC, please refer to your manual book for more info

Setting：

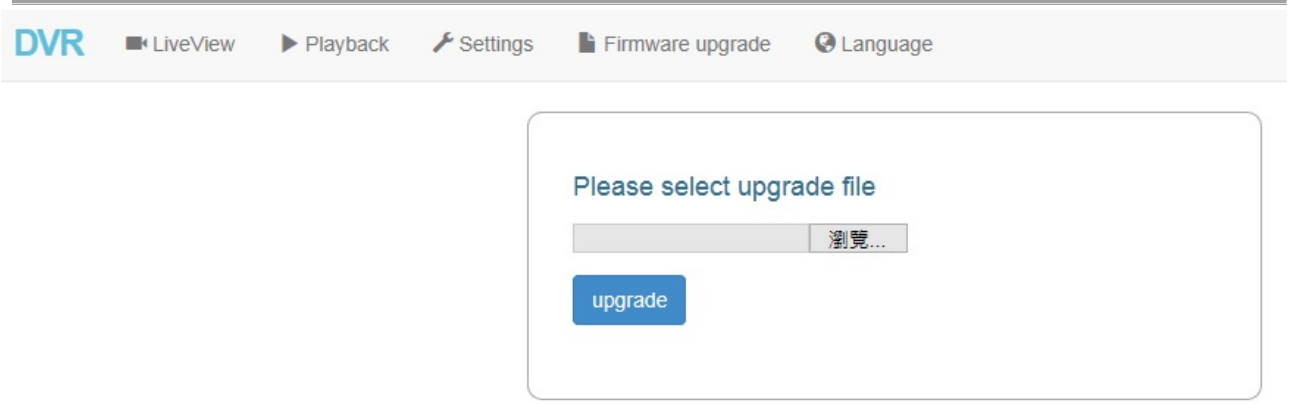


Other：

Reboot to restart your DVR

Click on Update Firmware to update your firmware

Refers that the update is succefully.



You can select the language from English, Simplified Chinese & Traditional Chinese

Manufacturer：
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Taiwan04-751-2881