

User Manual

For

MD AHD MDVR

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1. LOCAL MANAGEMENT

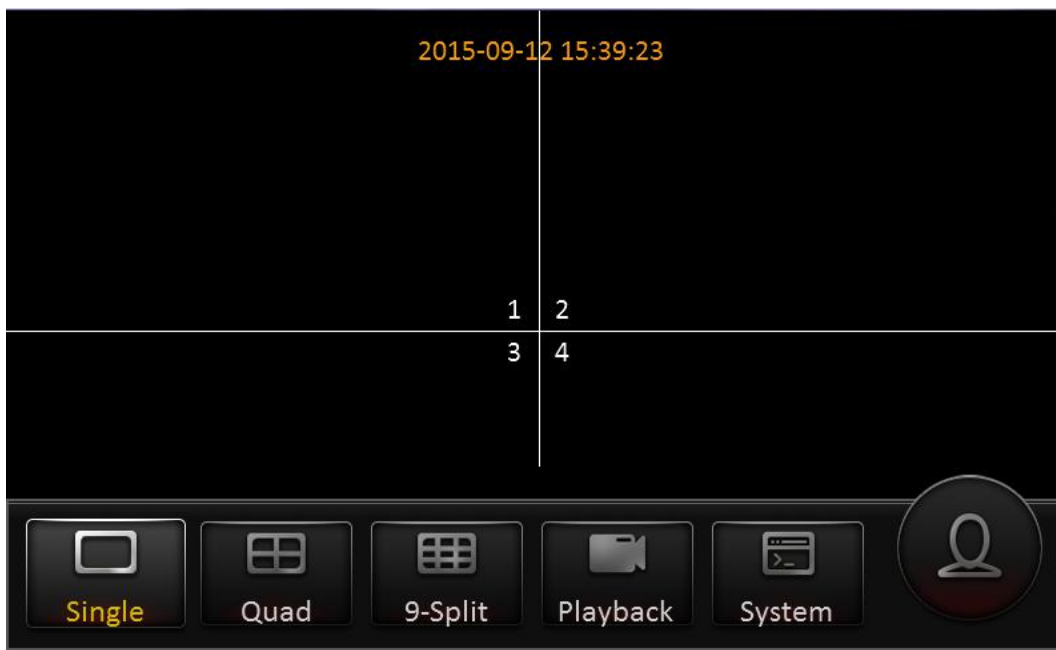
AHD MDVR supports 3 kinds of local setting methods:

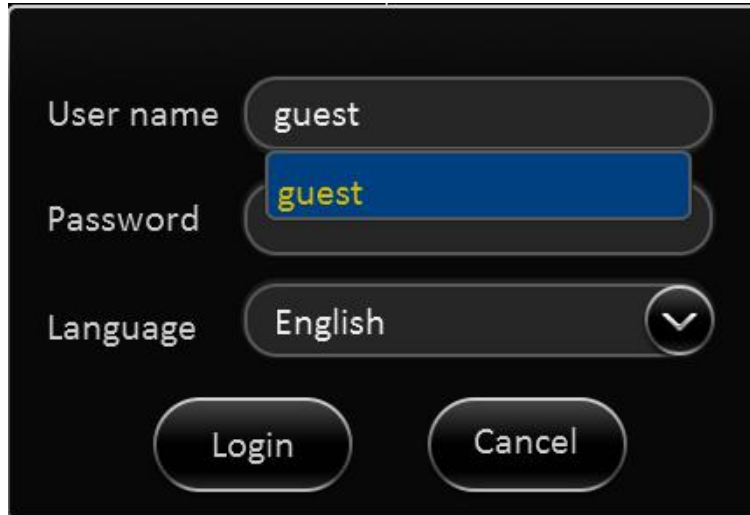
- 1) Connect monitor to mobile DVR and make sure it can play real time output image. Then connect mouse to USB interface at the front panel to have MDVR parameter setting.
- 2) Connect the touch panel CP4 to mobile DVR to have MDVR parameter setting. (RS232 serial port is needed when they are AHD mdvr .)
- 3) AHD SD CARD MDVR supports MDVR parameter setting via remote controller.

2.1. LOGIN INTERFACE

When operate the device, user needs to have permission certified.

- 1) Press the remote control 【LOGIN / LOCK】 or 【SETUP】 , the login screen will pop up.
- 2) Right click the mouse, the shortcut menu will pop up, left click login picture, login screen will pop up.
- 3) Left click on the login button to login and right click to log out.





Login Notice:

- 1) Software is automatically assigned by user name and password, it can be divided into user and administrator privileges.
- 2) Password options cannot be closed, but it can be set to null; when it is empty, user do not need to enter the password to login.

Login interface Introduction:

➤ **User name:**

- 1) Select users from the drop-down box. There are admin and user as defaults.
- 2) Currently, it can show two users and one admin.

➤ **Password:**

- 1) User can enter the operation interface if entering the right password;
- 2) User must enter the right password again if entering the wrong ones;
- 3) Click cancel to exit the login interface;

➤ **Language:**

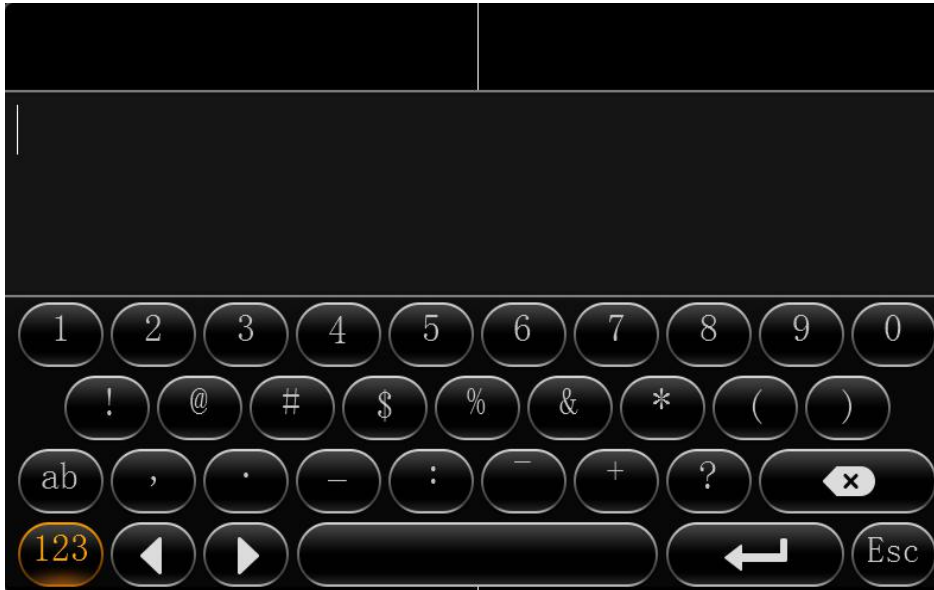
- 1) It supports language switch. "language" (Lang) means the current interface adopts Chinese;
- 2) It will automatically switch once selecting the language.
- 3) Currently, it supports Chinese and English;
- 4) After switching languages, it will not restore language option when user restores the factory Settings;




Default password and permission table is as follows:

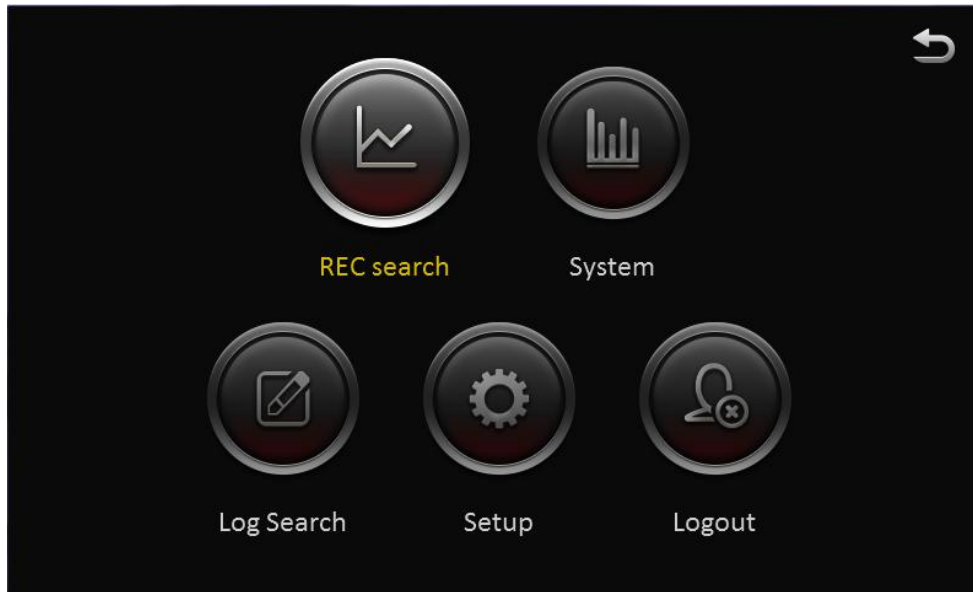
Default Password	Related User	Related Authority
admin	admin	All Authorities
User	user	Search and playback

The password input Instruction:

- 1) User can set password with remote controller (only applicable to model X5), mouse or touch panel CP4. Move cursor to password, click Enter and enter the right number.



- 2) Move the cursor to the number position, press **【Enter】** or left click mouse button to select the corresponding number.
- 3) Move the cursor to **【123】**, press **【Enter】** or mouse to choose input type, such as numbers, letters, or special characters.
- 4) **【ab】** means lower case letters, **【123】** means numbers, **【AB】** means capital letters; the highlighted place of background refers to the current cursor position.
- 5) Move Cursor to , Press **【Enter】** or left click mouse to move between the contents that have entered.
- 6) Move Cursor to , Press **【Enter】** or left click mouse to delete the previous input contents.
- 7) Move Cursor to , Press **【Enter】** or the left click mouse to exit the keypad, the entered contents will be written to the edit box.
- 8) Move Cursor to **【Esc】** position, Press **【Enter】** or the left click mouse to exit the keypad, the entered contents will not be written to the edit box.



2.2. RECORD SEARCH:

Video search interface contains video file search, video data backup and video playback function.

When there is a hard disk or SD card, enter the video search interface. Following is the REC Search interface:



In the calendar, the color below the dates means:

- a. **No color** means no video.
- b. **Green** means common video.
- c. **Red** means alarm video.
- d. **Yellow** means there are alarms and the video files are automatically lock (lock video).

Source: select the source of the video, there are main video, sub video and mirror video.

The main record means HDD record while sub record and mirror record are dual-stream records.

Select the date with record, click next, and then enter the following interface:

Following are the search options and search result interface:



Video type: User can choose all record, alarm record or normal record.

Channel: The channel is optional and mark with color that has record. The channel with gray cannot be chosen if there is no record. As to different record type, it will show different relates.

Click search button in the record search detail page, user can enter then record search result page.

Time Bar: Time bar shows three time points, 0 o'clock, 12 o'clock, 24 o'clock. It shows what type of videos during the time according to the marked channel.

Channel No.: According to the situation of video for each channel video the day, the video will be displayed on the time line. Tick the channel if user wants to playback the video.

Note: channel number is displayed from 1~20, please up page up/page down button to change channel

Button description

Video playback: Choose the channel No., select start time to play < default start from 0 >, click the playback button to playback the video.



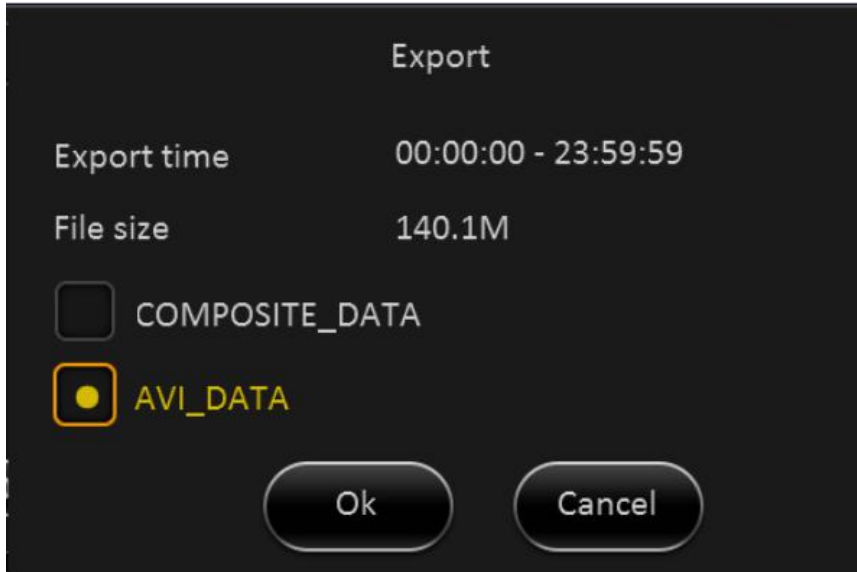
In playback interface, user can choose fast forward or fast backward to play the video, the button in the middle of screen can switch the channels. The image stops and it will not exit automatically when playing to the last video of the day.

Time period settings: Click the time setting button, select start time and end time, it will back up or playback the video in the selected time period. Click clip to export the video, the file format can be .264 < comprehensive file >, also can be .avi format.



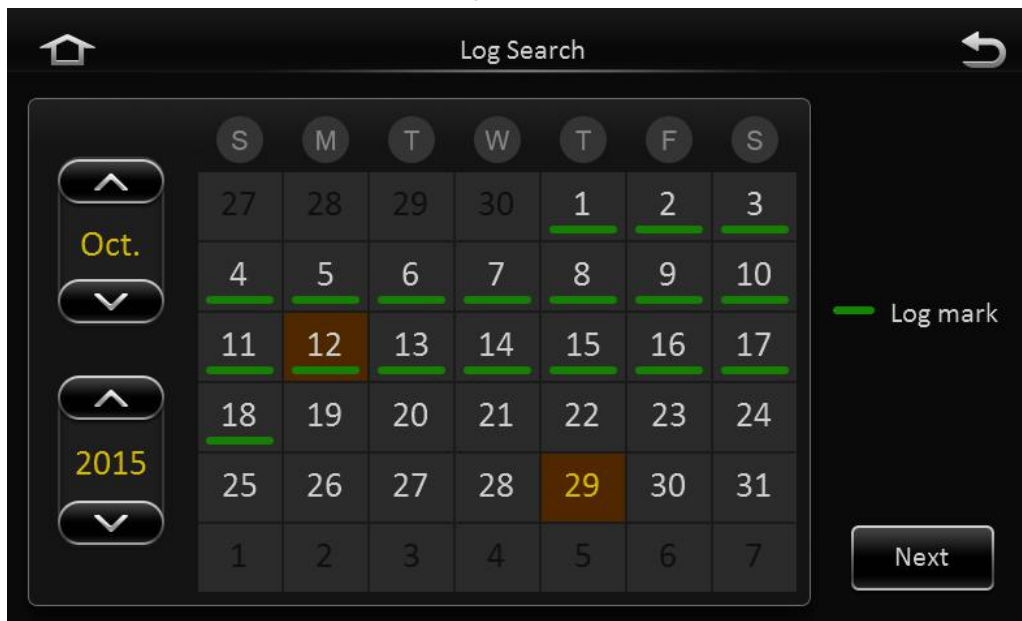
Video export: Select the channel that has the video files, click this button, all the video files in the effective time period will be exported to the external USB peripherals, file format can be .264 < comprehensive file >, also can be .avi format.

User can also get out the hard drive or SD card, export and playback the video by professional software.



2.3. LOG SEARCH

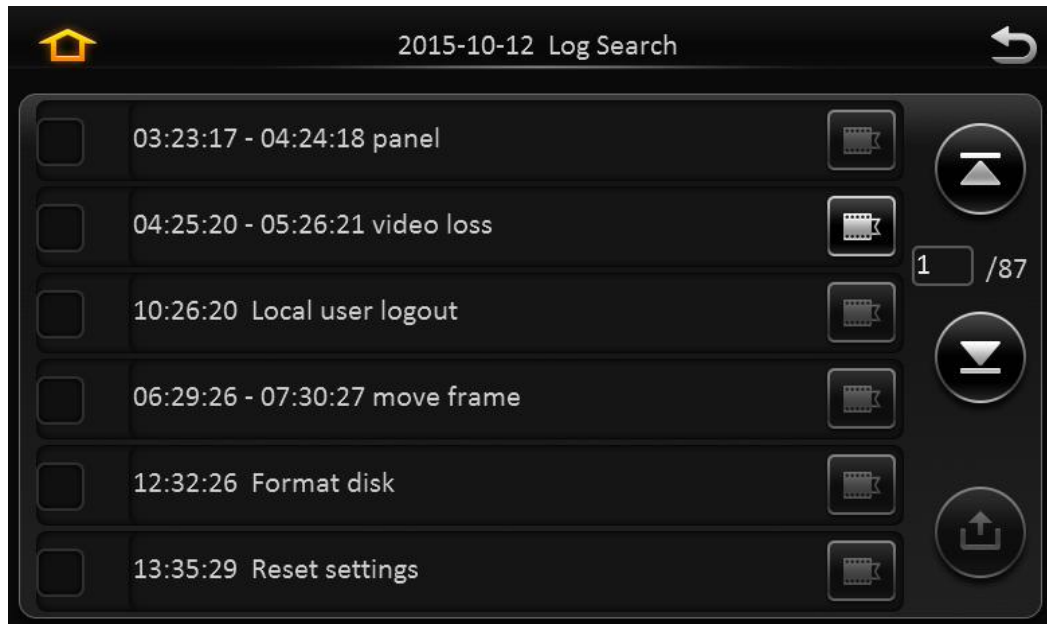
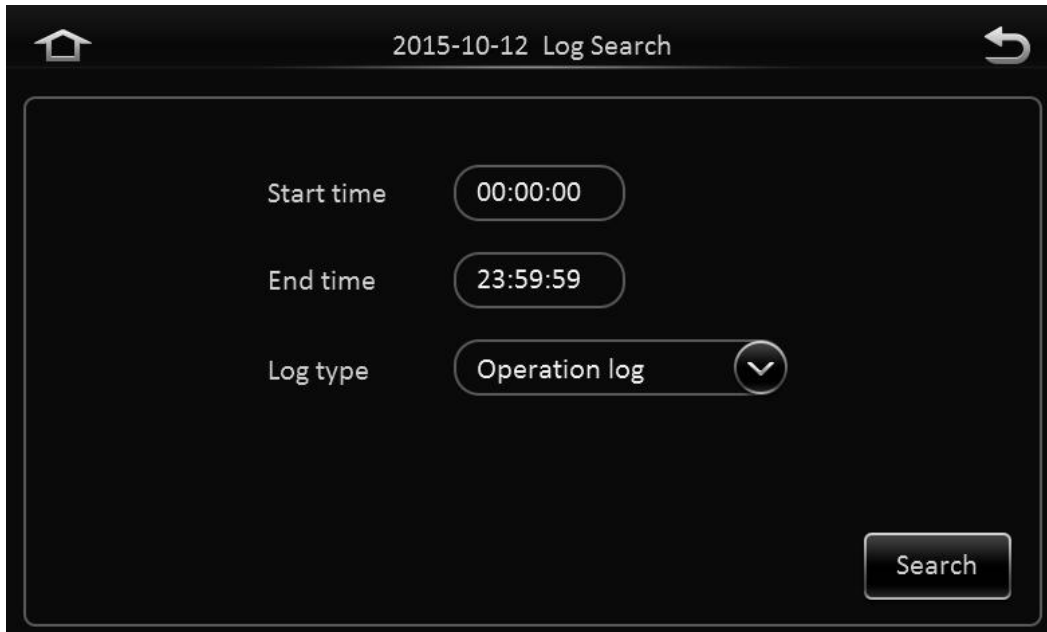
In the log search interface, it records and displays all alarm events and login operation log. Enter the "log query", the interface will be shown as following:



Log Search interface instruction:

Calendar: the date with log will be marked on the calendar with green color.

Remark: There is no color classification in the "log mark", and all are green ones.



Log search interface instruction:

Start time: the start time for searching log files

End time: the end time for searching log files

Log types: classification of log search, including the operation log and alarm log and locking log

Operation log search interface instruction

Log includes the following information:

Log time: the time when event is triggered

Log name: event content

Supports page up/page down and export all log files of the specified date.

Do not support link to video file.

Log search

Alarm type: It includes all alarms, IO alarm , panic alarm and over speed alarm.

Log includes the following information:

Log time: the time when event is triggered

Log name: event content

Supports page up/page down and export all log files of the specified date.

Supports link to video file, click on  button to playback video files

Lock log search

Log includes the following information:

Log time: the time of when event triggered.

Log name: event content

Log will be recorded according to channel number, each channel will have a lock log file.

Support page up and page down.

Can't export all log files of the specified date.

Can link to video file, click on  button to playback video files.

Unlock: Select log, and unlock it. Then the alarm log of lock will be cleared.

Remark:

When lock the video file, system will record alarm log and lock log. The locked video file can only be unlocked from alarm log.

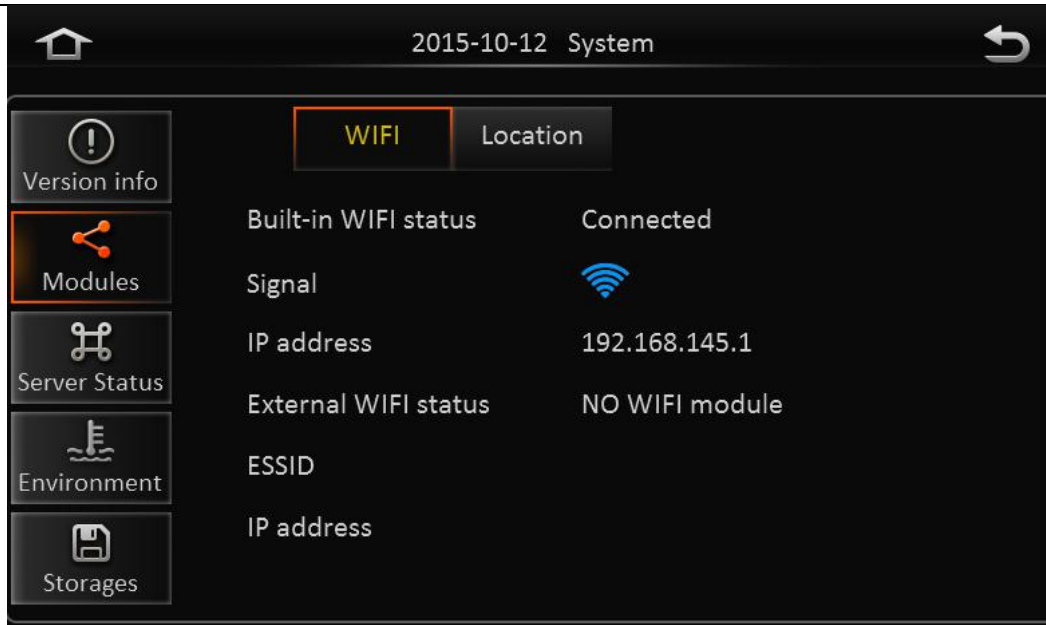
2.4. SYSTEM STATUS

User can login the interface with no access restrictions.

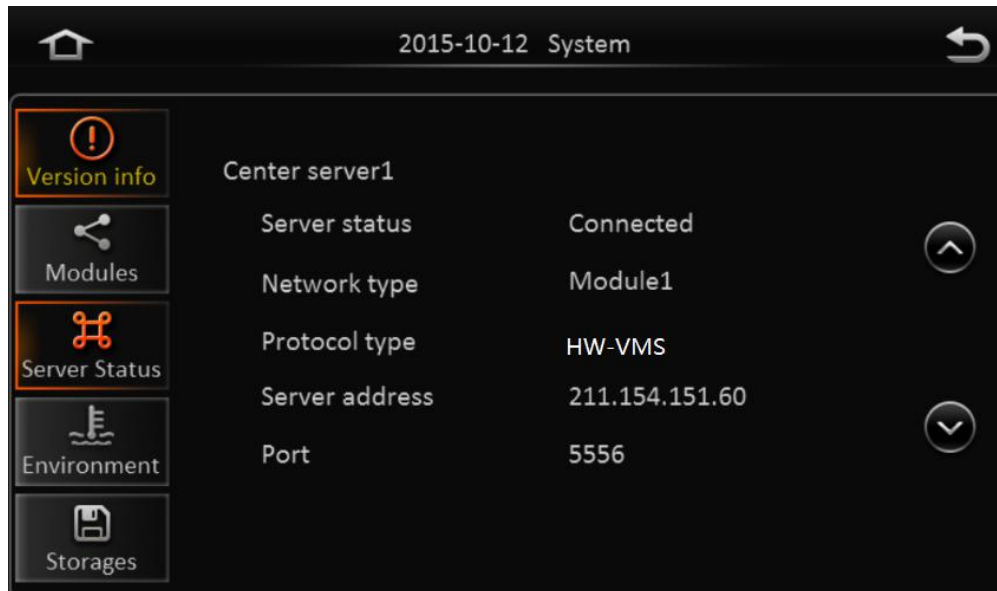
- System- Version information



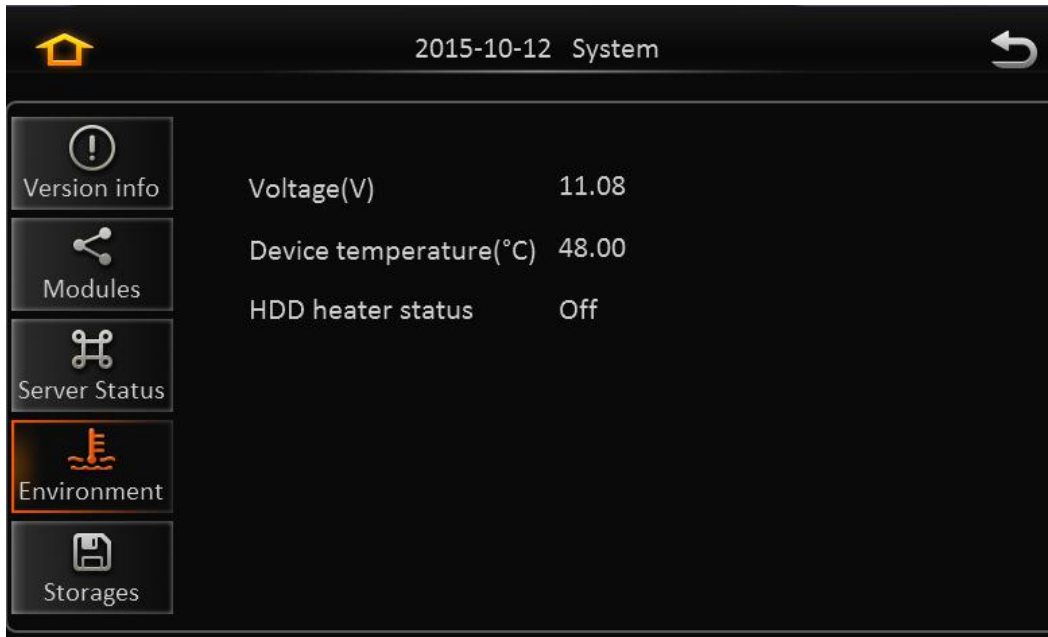
- System- Modules



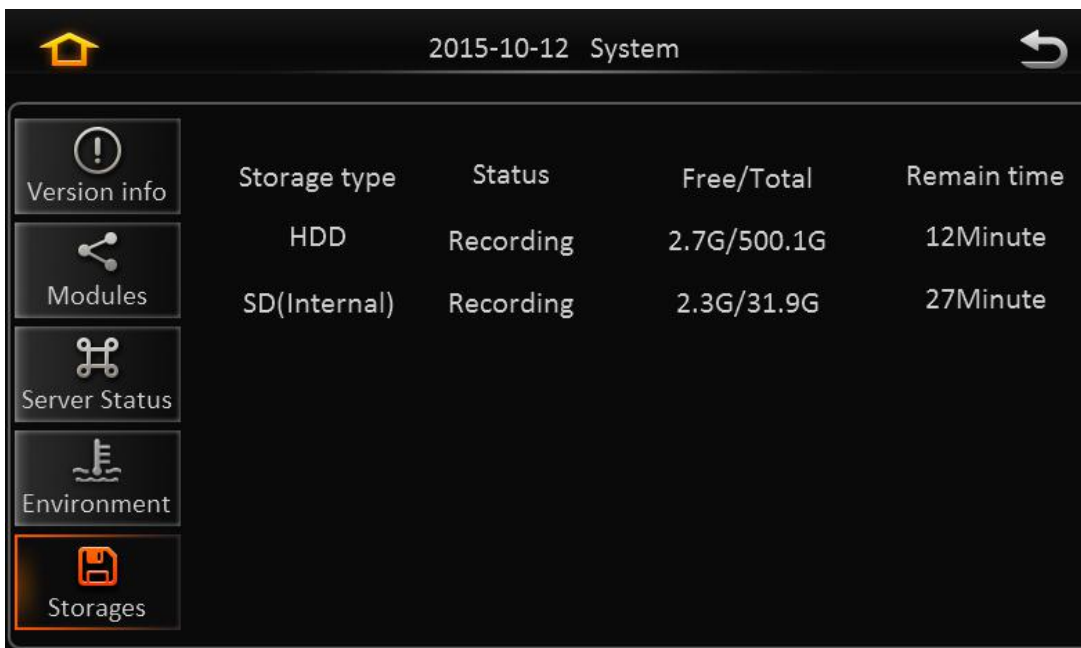
➤ System-Server status



➤ System - Environment



➤ System-Storage:



2.5. BASIC SETUP

Click setup button and enter the following interfaces:

2.5.1. REGISTER INFORMATION (SETUP VEHICLE INFORMATION)

➤ Register information-Device info:



Device ID: Currently, it is not useful.

- Register information- Vehicle info



Vehicle Number: When connected with PAD, the vehicle number is needed.

Vehicle plate: Input manually.

Line number: Input manually.

- Register information—Driver info:



Driver number: Input manually.

Driver name: Input manually.

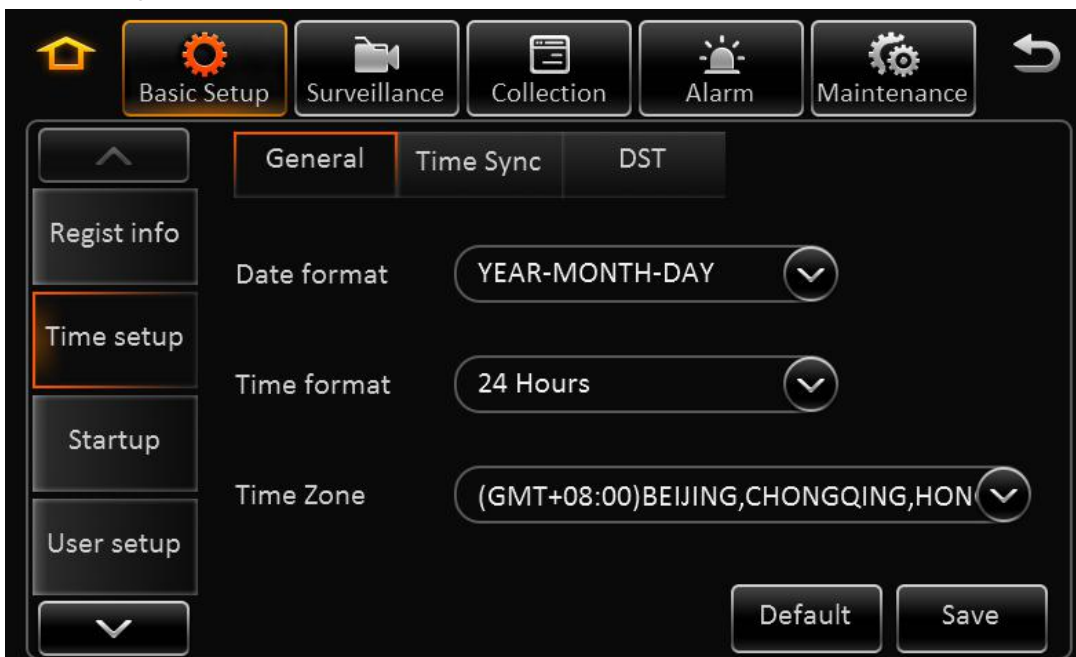
2.5.2. TIME SETUP

➤ Time setup-General

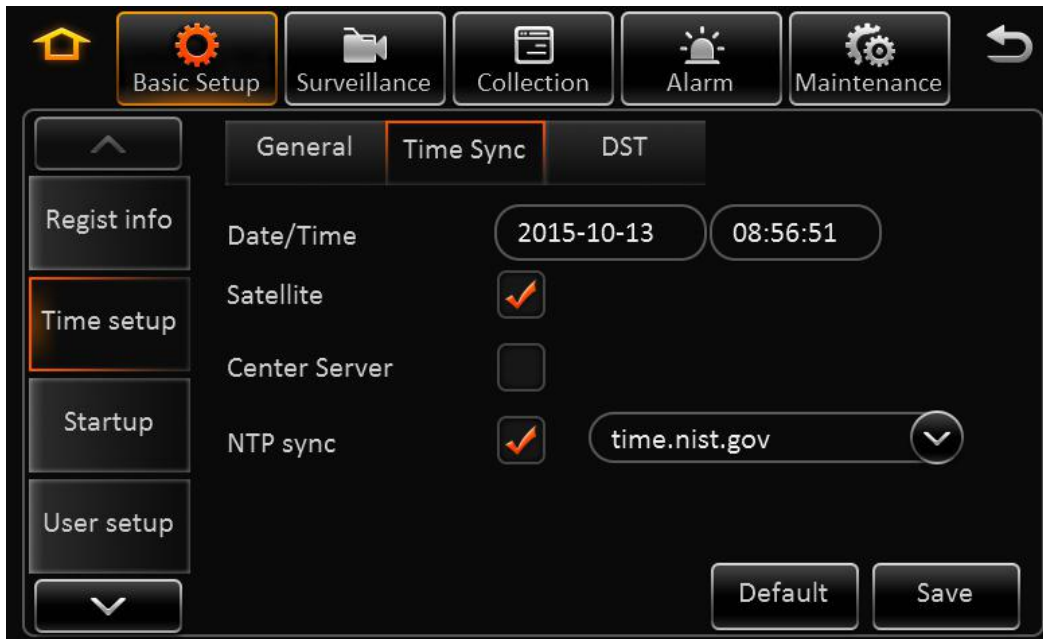
Date format: Setup the date format of device

Time format: 24 hours or 12 hours

Time zone: Range from -12th district ~ +13th district



➤ Time-Time Sync



Date/Time: Device time, from 2000-01-01 to 2036-12-31

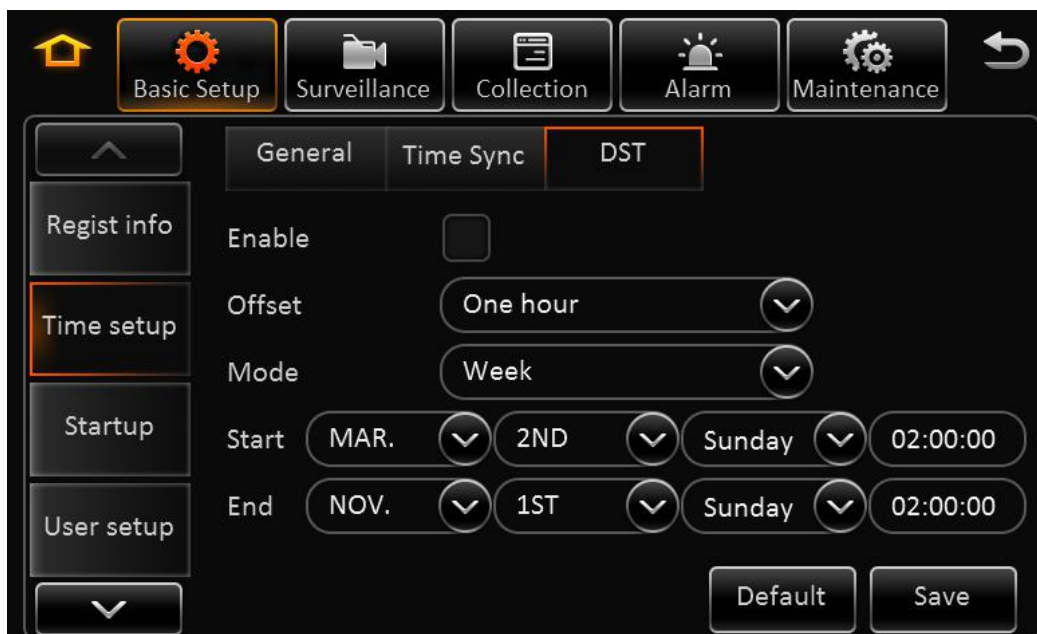
Satellite: Synchronize time with GPS satellite. Once GPS signal changes to valid, device will synchronize time

Center Server: synchronize time with center server

NTP sync: synchronize time with NTP server

Remark:

- 1) Synchronize time according to time zone
 - 2) Multi-mode can be selected for time synchronization. If one works, the others take no affect. Otherwise, it switches to another sync mode every 5 minutes.
- Time setup-DST



Enable: Select to enable

Offset: After enabling DST, adjust the hour manually

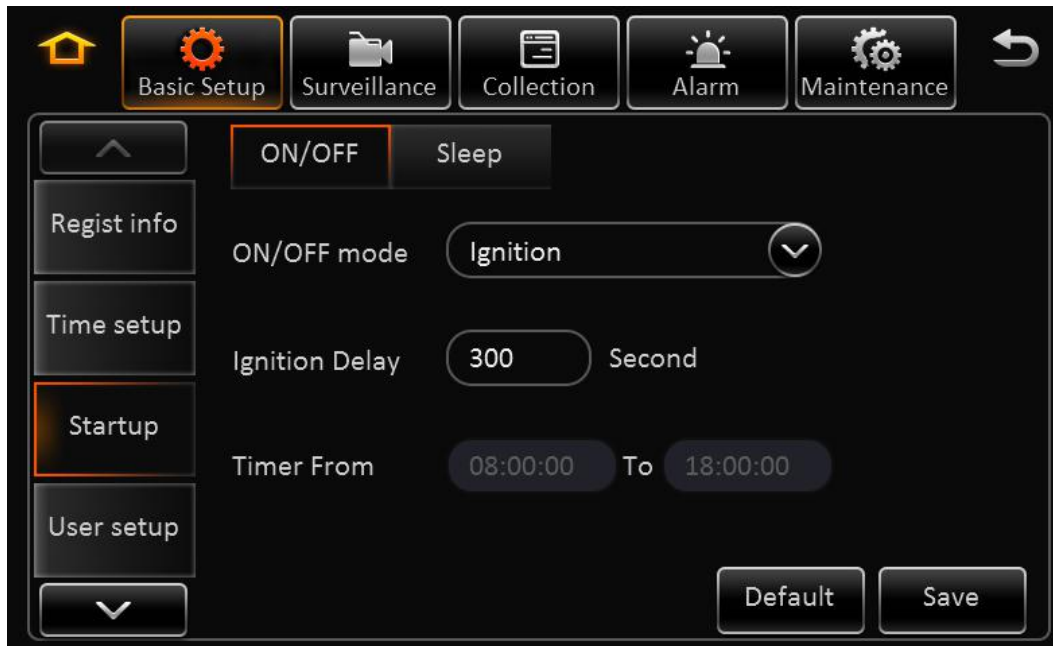
Mode: Setup DST according to week or date

Start: Time to start DST

End: Time to end DST

2.5.3. START UP

➤ Startup-ON/OFF



ON/OFF mode: 3 modes, including ignition, timer and ignition or timer.

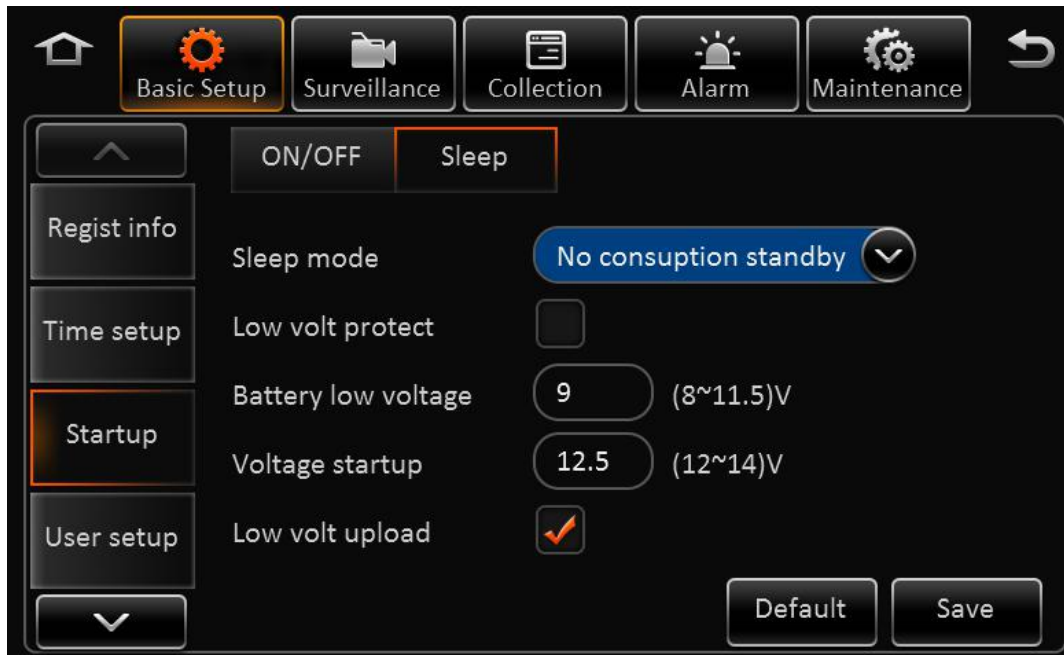
Ignition: Input ignition delay time for shutdown delay function

Timer: When setup the start mode as Timer, please setup the start time and end time
Under this mode, MDVR's start up or shut down time will not affect the ignition.

Remark:

If use setup as Ignition or Timer Mode, Ignition ON or Timer start time can trigger MDVR start up.
And only when Ignition off and Timer end time, MDVR will shut down.

➤ Start-Sleep



Sleep Mode: Currently, there is only no consumption standby mode available.

Low Volta protect: Enabling the low voltage shutdown protection mode selected.

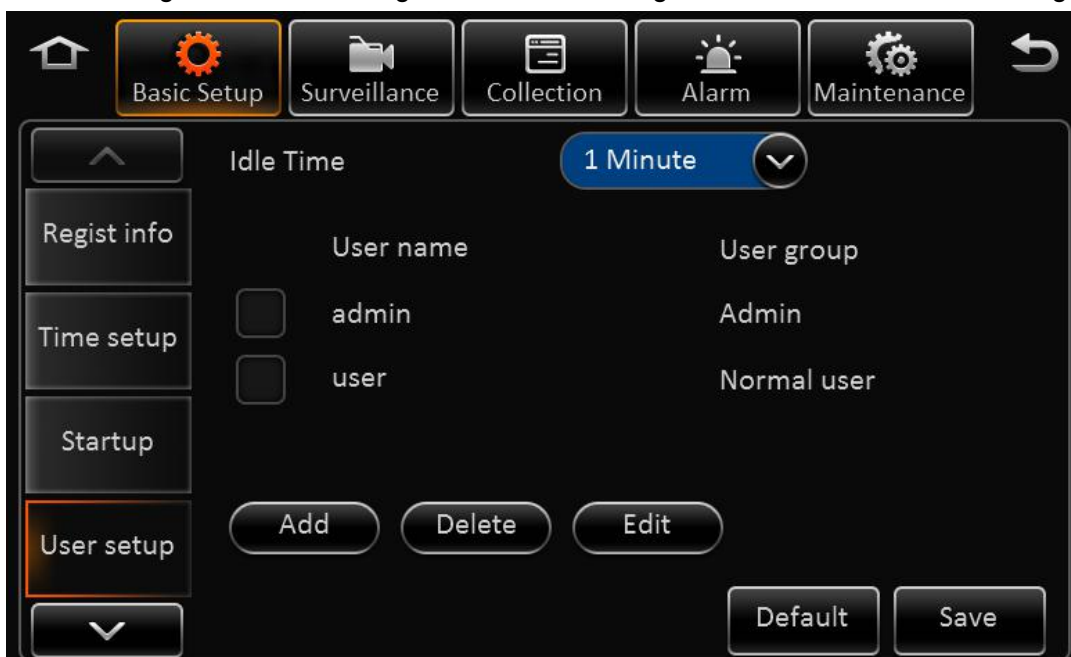
Battery low voltage: Protect the vehicle battery. When consistently below the standard value, it will countdown shutdown. As for a 12V vehicle, the default is 9V, while a 24V vehicle is 21V.

Voltage start up: low-voltage protection, when the battery voltage is consistently greater than the standard value, it will automatically boot. As for a 12V vehicle, the default is 12.5V, while a 24V vehicle is 24.5V.

Low volt upload: The low-voltage protection will be reported to the platform after it is ticked.

2.5.4. USER SETUP

In the basic settings, click user settings, enter the following interface, user can enter setting menu.



User name: The default ones are admin and user.

User Group: It is divided into administrator and ordinary user.

It supports delete user function. Select the user and click "Delete User" button. Please be noted that the administrator cannot be deleted.

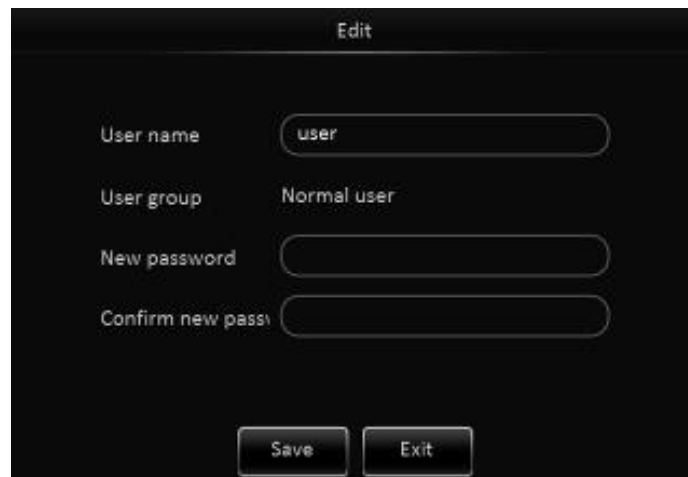
It supports add user function. Click "Add User" button, then enter the following interface.



Remark:

- 1) Only administrators can add users.
- 2) Users can add up to two.
- 3) User name cannot be empty, not the same with the existed user name while the user password can be empty.

User name and password can be modified. Select a user, click the "Edit User" button, enter the following interface:



Modify the user name and password to confirm the operation temporarily. There is no need to verify the old password, Administrator user name cannot be modified.

2.5.5. NETWORK

In the basic settings, click Network Settings, enter the following interface, user can set network parameters.

- Network - Local



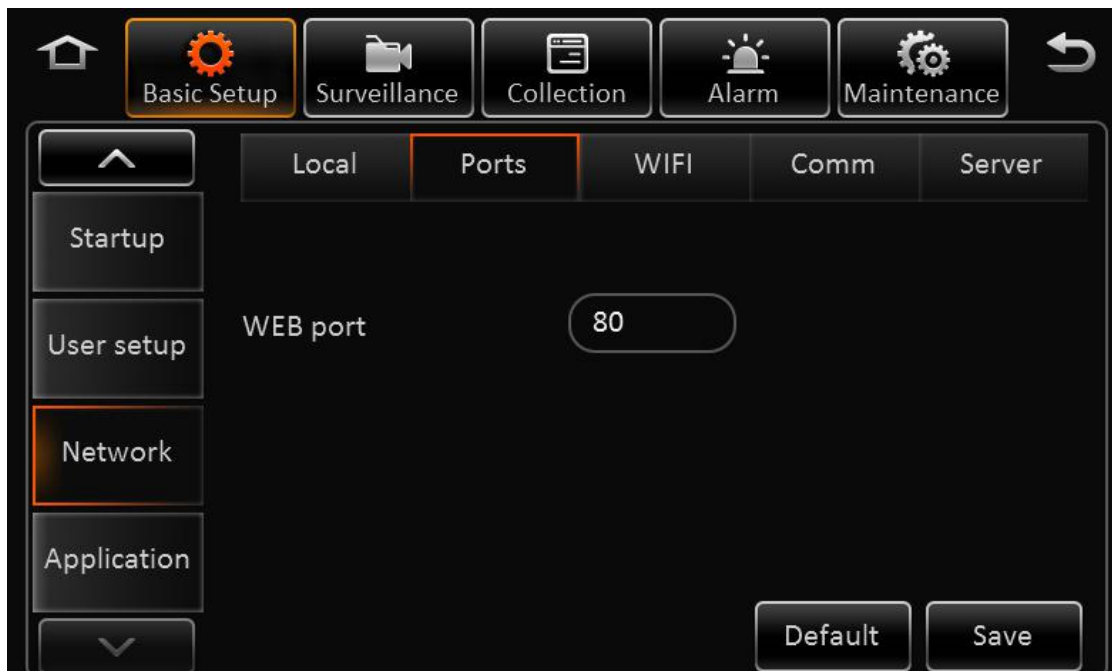
Automatically obtain IP: Dynamic acquisition, DNS can also be statically configured to dynamically obtain.

Use the following IP: Static IP, need to use a static DNS.

Remark:

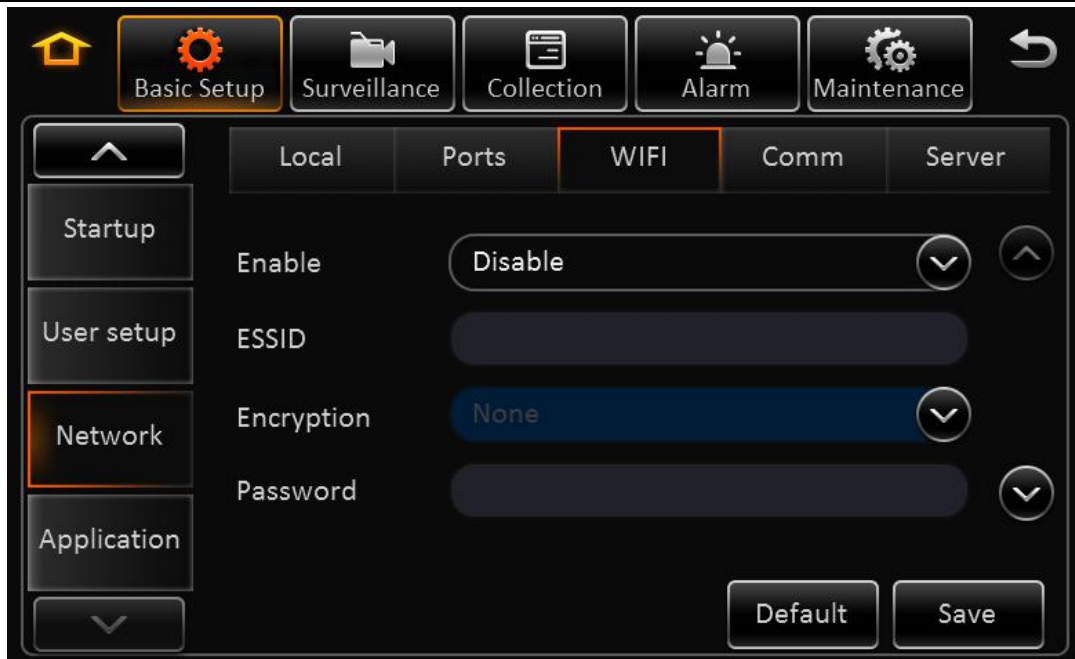
Switch from static IP to automatically obtain IP mode, it can display dynamic IP, but the static IP parameters will not be covered, to restore the last saved static IP after switching back.

- Network Settings - Ports:



WEB port No.: The default is 80.

- Network- WIFI



Enable: Select to enable WIFI

ESSID: Manually input the address of AP

Encryption: It supports NONE, WEP and WPA

Password: Manually input

Static IP: Select to use static IP, or MDVR will get dynamic IP

➤ Network-Communication:

Dialing wireless network, user needs to choose the module type and setup dialing parameters



When entering the dialing setup interface, it searches the wireless module type automatically. It shows No Service when there is no module.

Network type: The default one is Mix, 2G/3G and 2G/3G/4G optional.

Dialing parameter: It includes access point, user name, password, data service number, and enter SIM

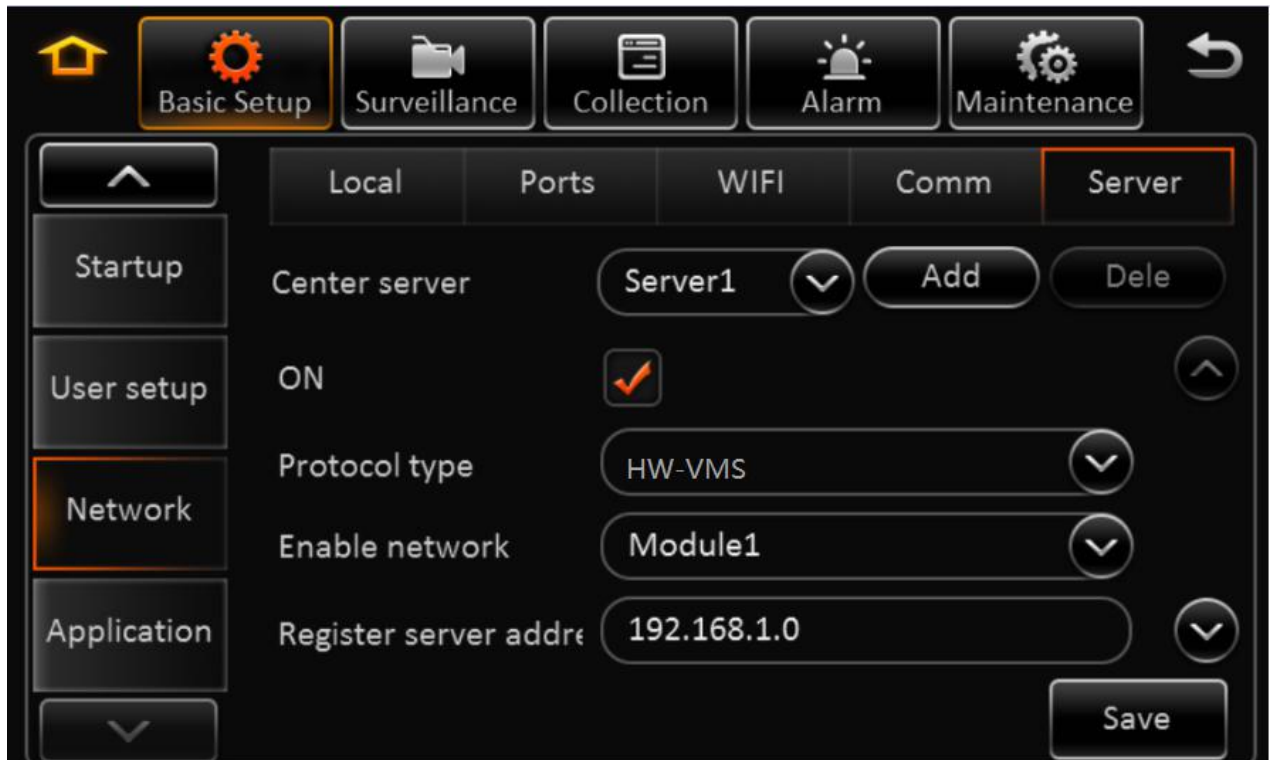
parameters provided by the manufacturer. The default is empty, the program comes with empty arguments by dialing.

Certification: Supports PAP or CHAP.

Remark:

When there is SIM and normal 3G/4G signal, it will dial automatically.

- Network- Server



Center server: It supports 6 servers at most, and server 1 cannot be deleted manually.

ON: Enable the current server.

Protocol type: The default one is HW-VMS.

Enable network: There is local, WIFI and module optional

Register server address: To run the registration server address.

Registration server port: To run the registration server port.

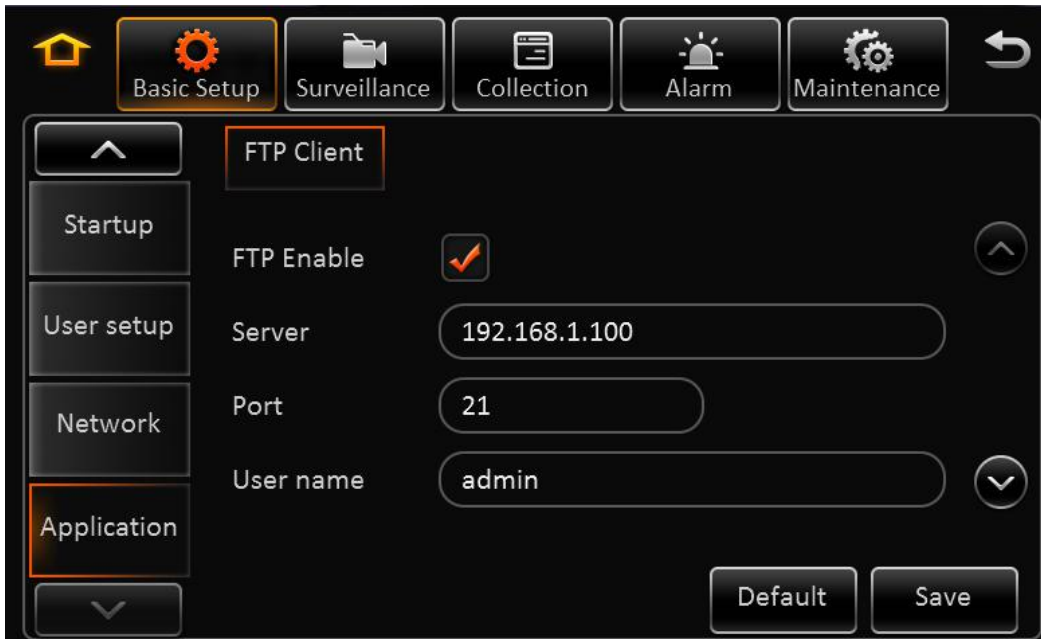
Media server address: To run the media server address.

Media server port: To run the media server port.



2.5.6. APPLICATION

➤ Application-FTP Client



FTP Enable: Enable FTP.

Server: To run FTP server address.

Port: To run FTP server port. (The default one is 21.)

User name/password: The accounts distributed by FTP server.

2.6. SURVEILLANCE

2.6.1. LIVE VIEW

➤ Live view-->Preview

Real-time Setting Interface:



Preview audio: Enable the audio when live view the video.

Image setup: Set the live-view parameters, including brightness, contrast, etc.

Startup Screen: Set the live-view screen, it can be single-screen or quad screen or nine screen

Channel: Set the channel when live-view

➤ Live view-Auto Loop:



Screen: Totally 32 screens can be added.

Mode: 1x1, 2x2, 3x3 optional.

Channel: Included channel number.

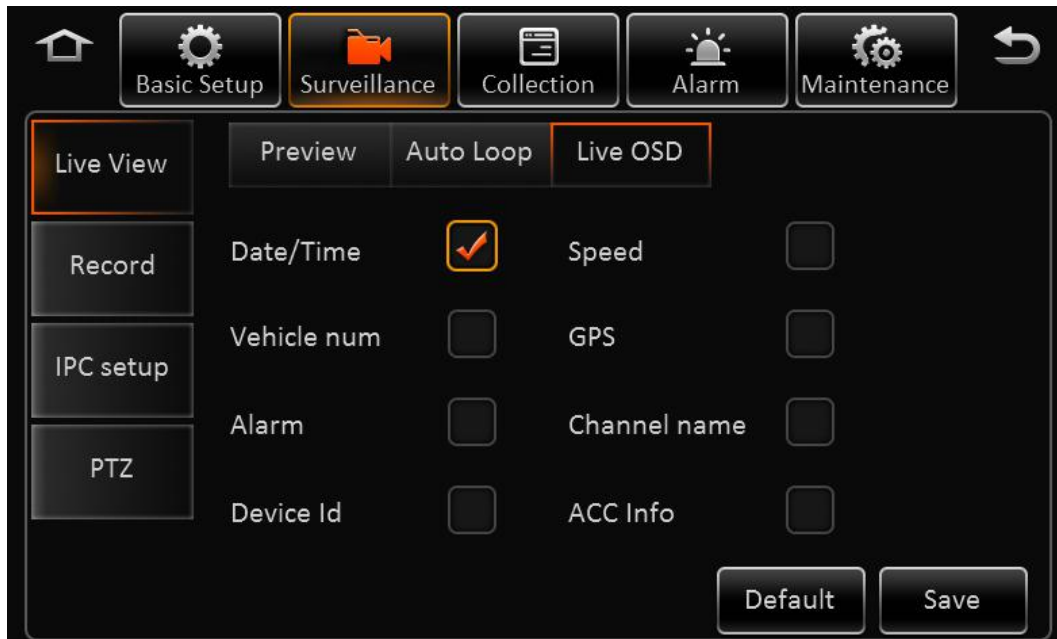
Duration: Duration for each screen.

Edit: Delete or Edit.

Add screen: Add polling screen

Auto polling: Enable the auto pulling

➤ Live view-Live OSD :

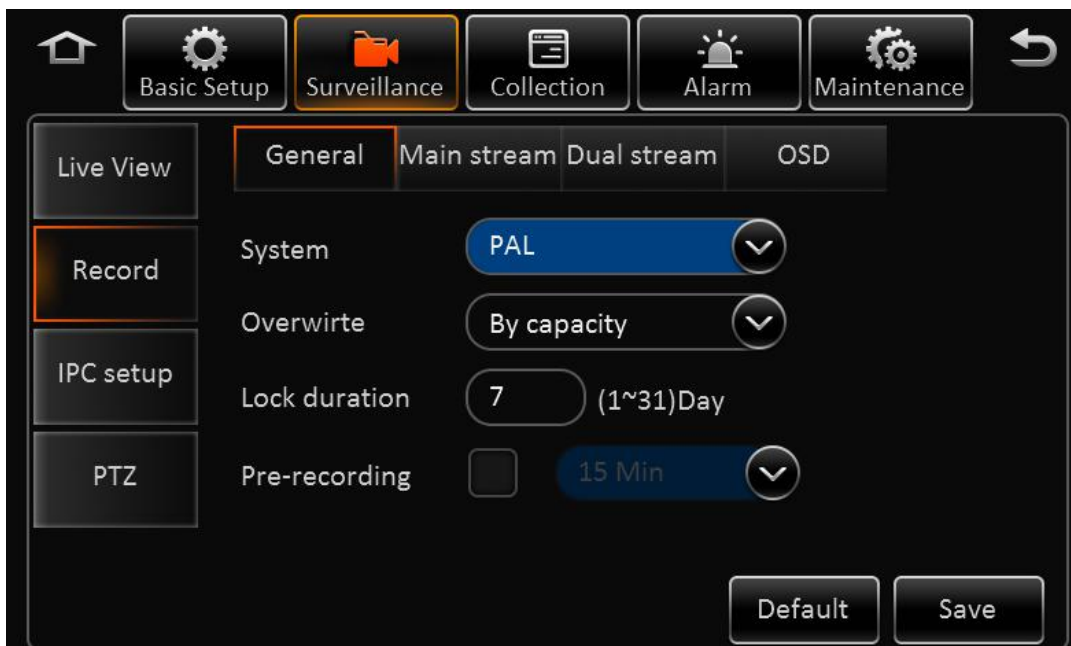


It displays the information on screen, such as time, speed, license plate, GPS...

The default is only the time, and the position cannot be set.

2.6.2. RECORD

➤ Record-->General



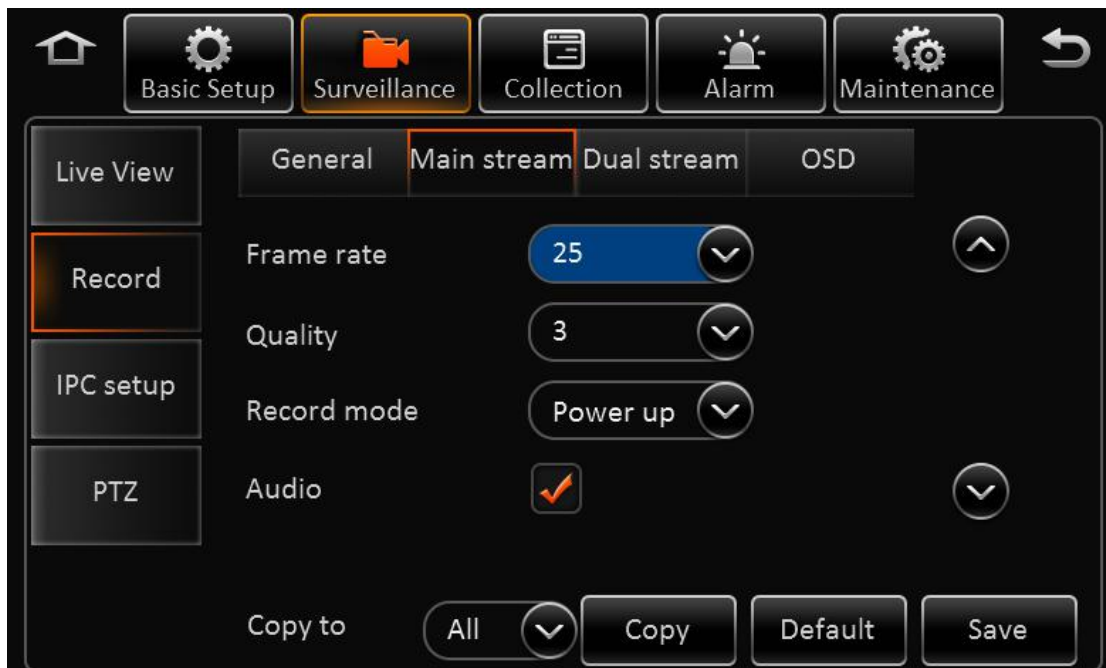
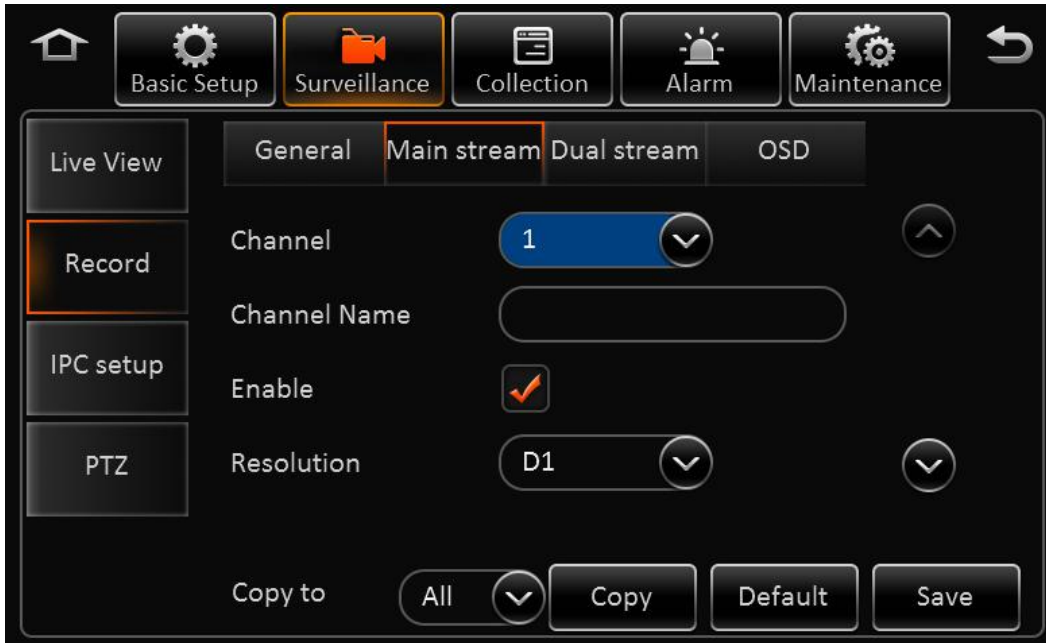
Video type: Default is PAL, NTSC optional

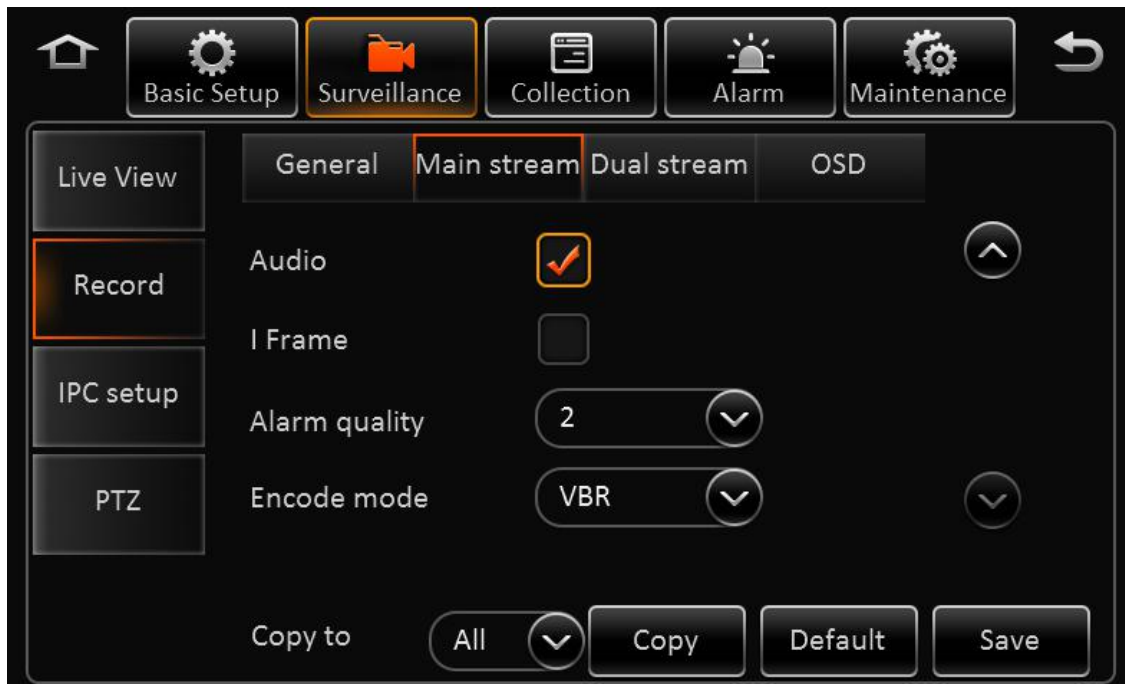
Overwrite: The earliest recording file will be deleted while the HDD or SD card is full to realize loop recording.

Lock duration: Protect the record file to be deleted by fault, default is 7 days.

Pre-recording: Pre-record before the alarm happens. Default is 15min, 0-60min optional.

➤ Record-->Main Stream:





Channel: The total channel numbers of the device, including analog and digital channels.

Channel name: Change the name manually.

Enable: Enable the main stream record function

Resolution: The analog channel supports D1/HD1/CIF/WD1/WHD1/WCIF while the digital one supports 720P.

Frame Rate: Frame Rate of the recording.

Quality: Picture Quality of the recording.

Record mode: Ignition, Time, Event optional. Each channel can be set separately. The sub-stream and mirror record are the same

Audio: Enable the audio. Note: Audio cannot be record separately

I frame: Enable to let the frame rate invalid, record file that does not have alarm is I frame only.

Alarm quality: The alarm image is different from the normal recording image.

Encode mode: It supports VBR and CBR modes.

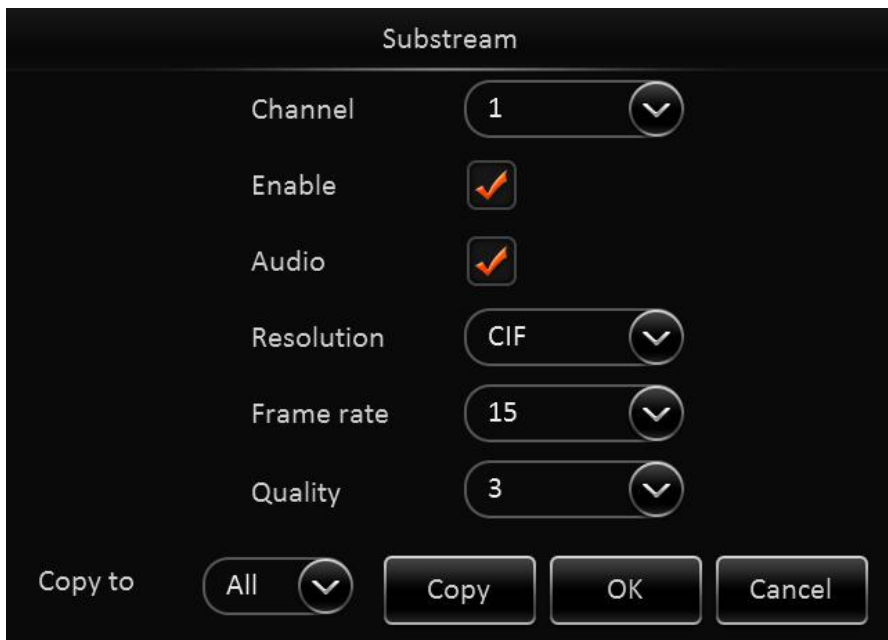
➤ Record- Dual stream



Storage: The storage type for sub stream, internal SD and external SD optional.

Record mode: Mirror record, alarm back-up record and sub stream.

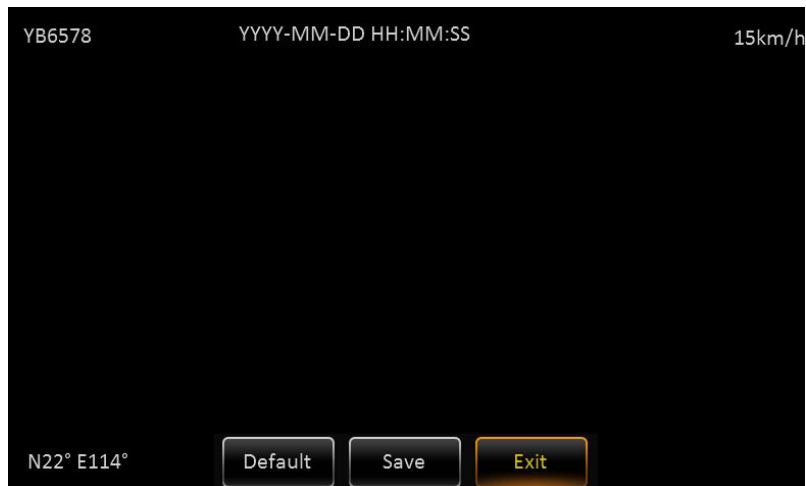
- **Mirror record:** Channel is selectable. Video resolution and frame rate are the same with main stream.
- **Alarm backup:** Channel is selectable. The parameters are the same with main stream
- **Sub stream:** Channel is selectable. Recording parameters are configurable



Sub stream includes channel number, enable or not, audio, resolution, frame rate and image quality.

Sub stream channel: It is selectable according to recording mode.

➤ Record-->OSD



Embedded key information to video file for easily check when playback.

2.6.3. IPC SETUP

➤ IPC setup:



Channel: It includes the analog channels and IPC channels. Analog channel will not be shown if it connects to network camera.

Enable: Enable to operate IPC.

IP and port: Display channel details after searching.

Setup: Search and edit IP camera recording parameters

Fast setup: Search all the IP cameras in LAN network, and auto assign IP address to IP camera.

IPC local address: To search network camera of local area network at Intranet. The default one is 10.100.100.1.

2.6.4. PTZ



Channel: It includes analog channels and IPC channels.

Enable: Enable PTZ.

Operate: It includes serial, HW-VMS and ONVIF. It supports Pelco-D and Pelco-P PTZ protocols with serial mode.

Address: It is valid with serial mode.

Test: It is to test PTZ is available or not. Click it to pop up PTZ control panel.

2.7. DATA COLLECTION

2.7.1. GENERAL

➤ General-->Sensor



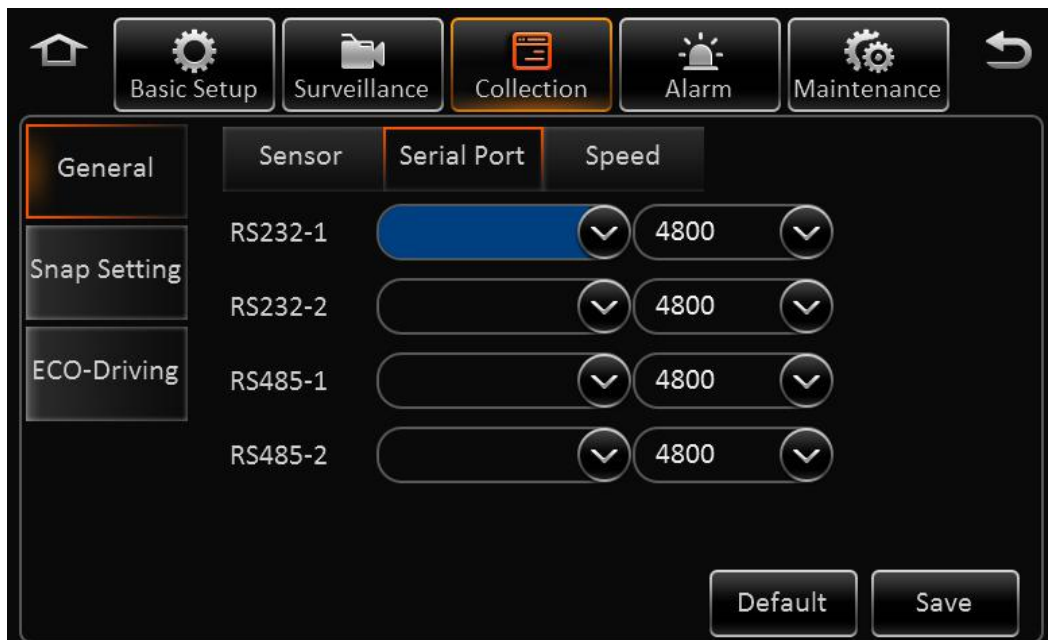
Sensor number: The total alarm input numbers of MDVR.

Sensor name: IO sensor name, it can set manually. The sensor name of alarm setting interface will update synchronously after setting.

OSD name: The information embedded to video image.

Copy: Copy the configuration and use it for other sensors.

➤ General-->Serial port:

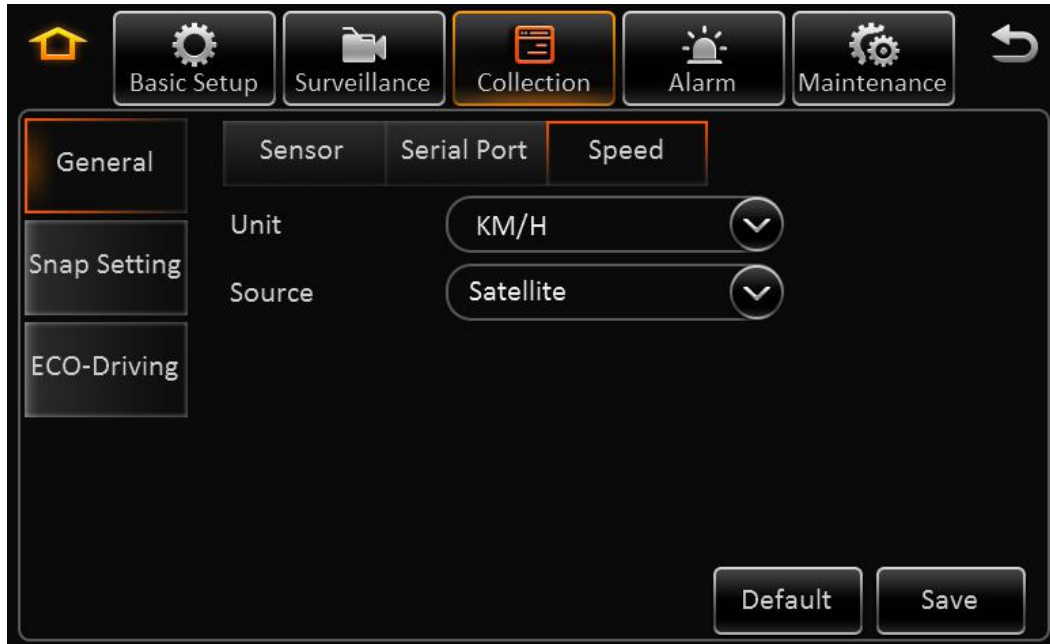


RS232-1 and RS232-2, with the following features: three axis sensor, expansion, 485 bus and GPS data.

RS485-1 and RS485-2, with the following features: PTZ, control panel, 485 bus and GPS data.

Baud Rate: 2400-115200, 9 classes optional.

➤ General-->speed



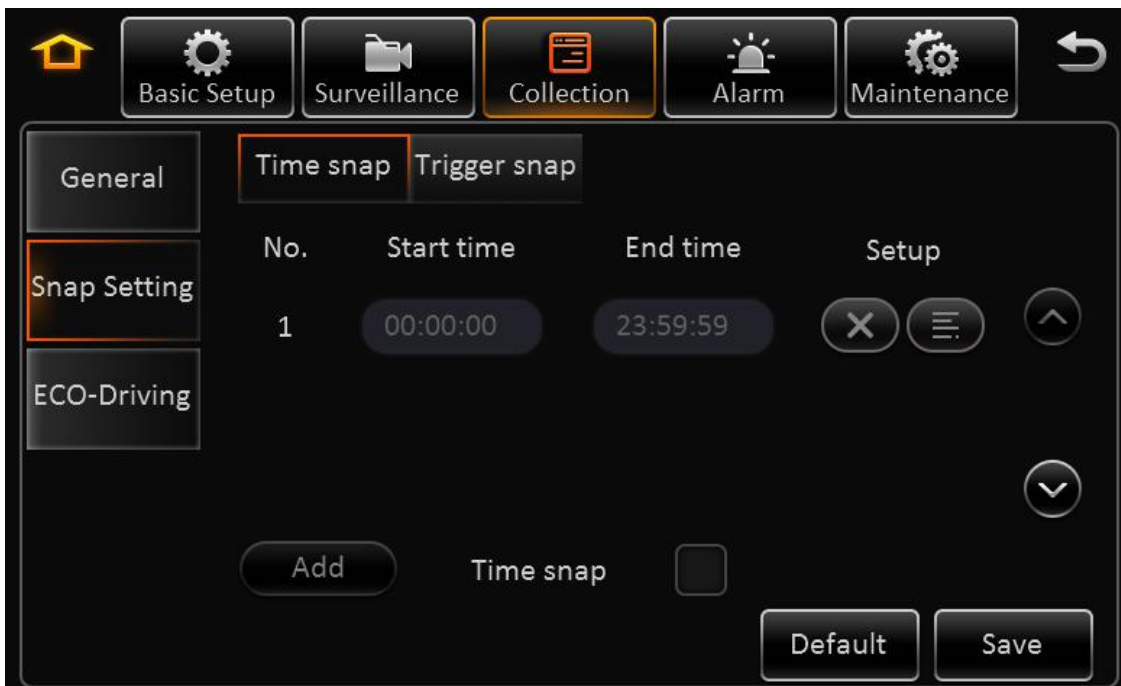
Unit: KM/H and MPH selectable.

Source: GPS, pulse or both optional.

Calibration mode: No need to calibrate if setup as satellite mode.

2.7.2. SNAP SETTING

- Snap Setting-->Time snap



Start time: Start to snap.

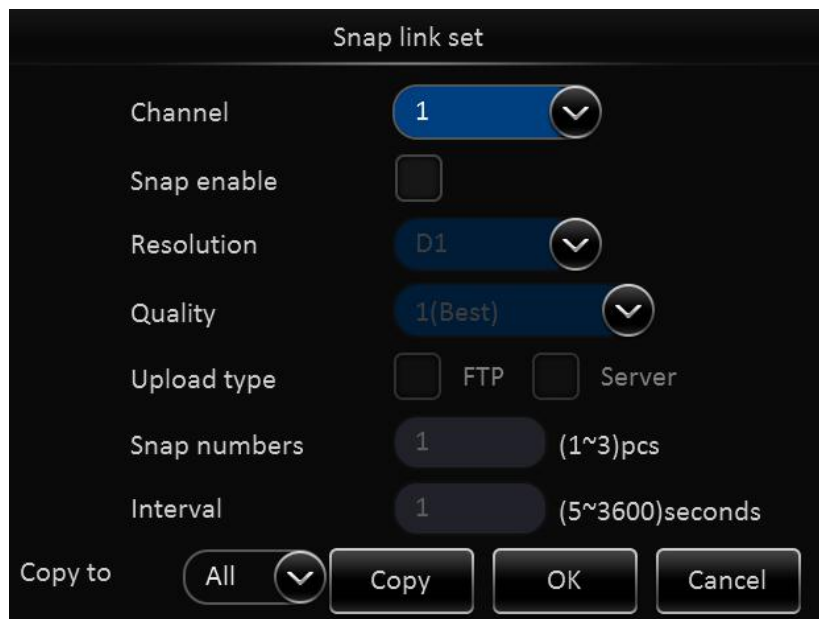
End time: Stop snapping.

Setup: Delete and set.

Time snap: Enable to snap at the setting time.

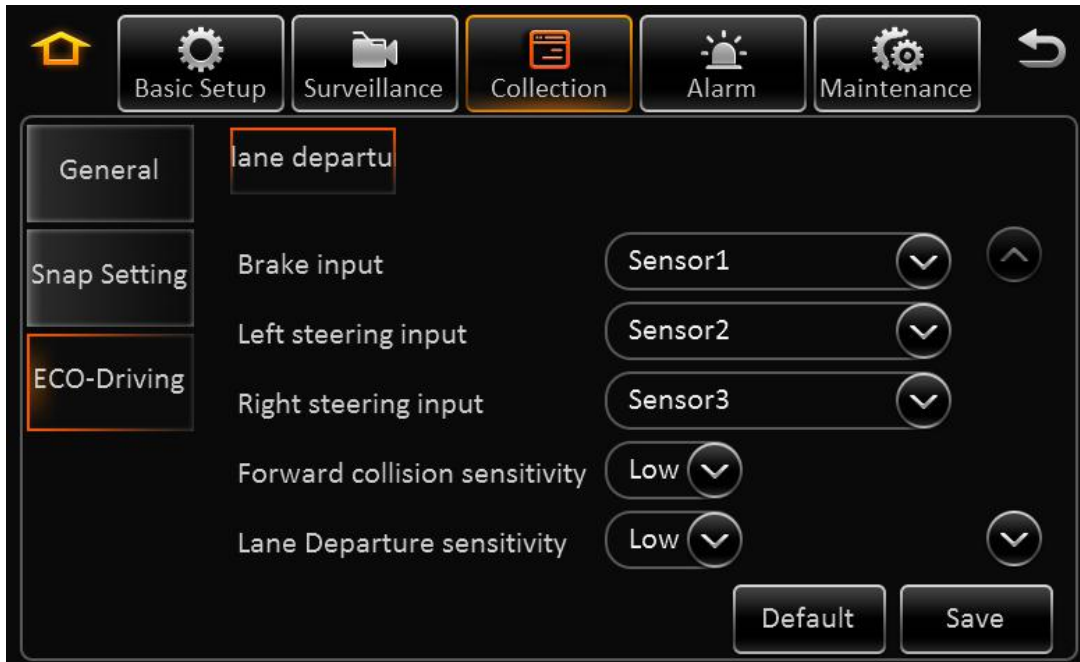
Add: To add snap period, and it supports 8 pieces at most.

- Snap Setting--> Trigger snap



Trigger snap: It snaps when alarm is trigger.

2.7.3. ECO-DRIVING (It is still developing.)





2.8. ALARM

2.8.1. BASE

➤ Base-->Speed alarm

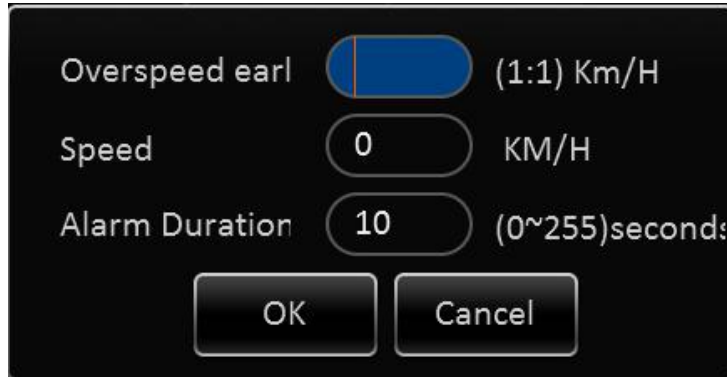


Name: The current name is over speed

Enable: Enable or disable, tick to enable

Alarm type: It includes the following types, important and general.

Trigger:

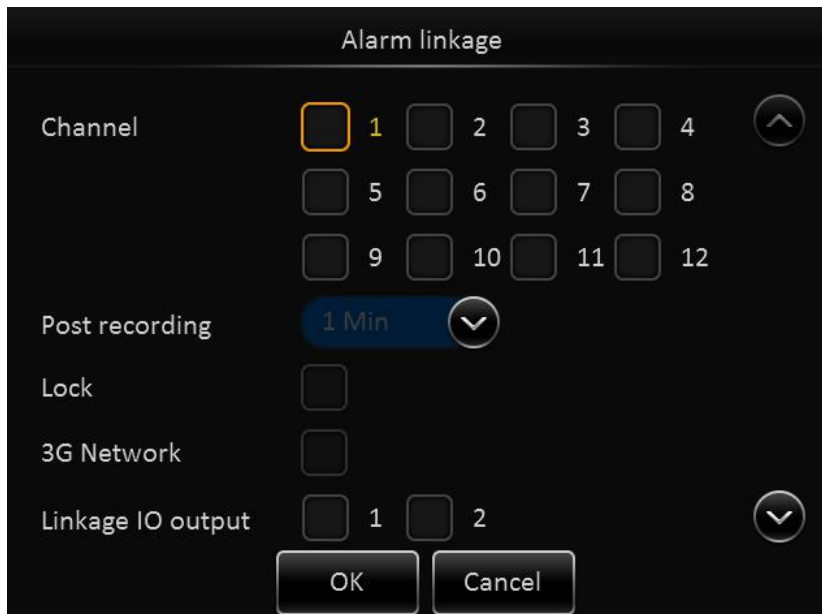


Over speed pre alarm difference: To set the pre alarm data. For example, if speed is 60 km/hour, and over speed pre alarm difference is 10 km/hour, TSS sends over speed alarm broadcast and records when it reaches 50 km/h.

Speed: It is the alarm speed.

Alarm duration: Alarm output duration

Linkage: When alarm triggered, link to other business operation.





Channel: Link to recording channel, optional.

Post recording: It means the recording duration after the alarm has been removed.

Lock: Enable to link recording lock when there is alarm.

3G network: When it is set as sensor trigger dial mode, it enables 3G network as it triggers alarm.

Linkage IO output: Enable to link alarm output when alarm is triggered.

Output delay time: It means the alarm output duration after alarm is removed.

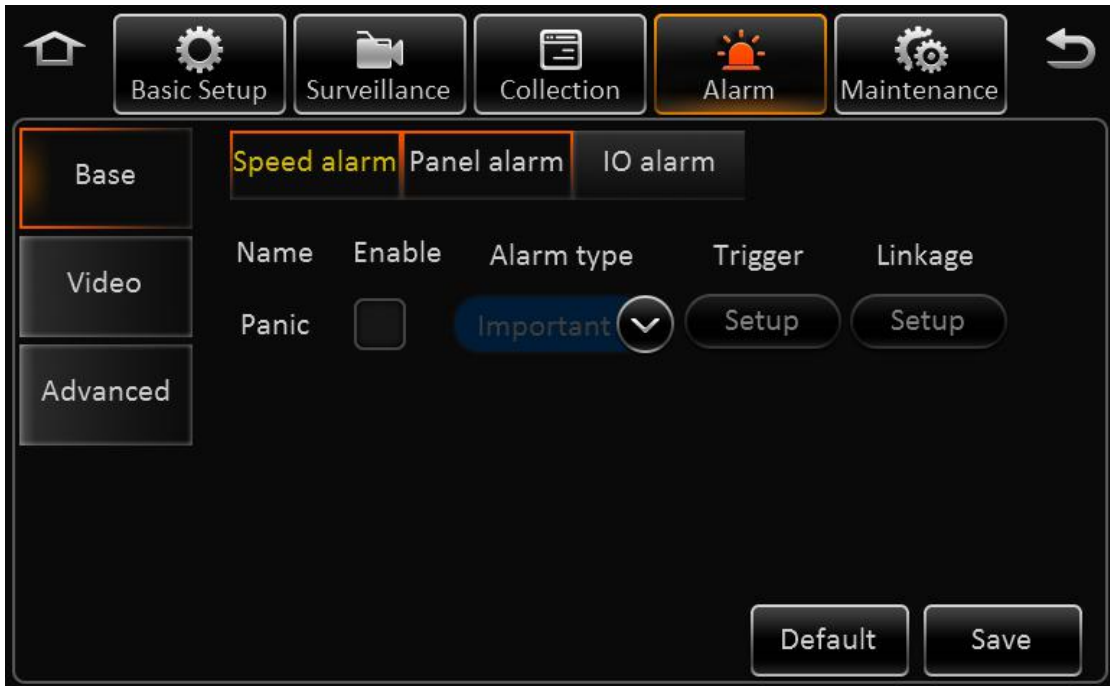
Alarm upload: Enable to upload to platform.

Linkage screen: Enable to link the channel to show full image when there is alarm. (Depends on the MDVR model, display split 1/4/9 optional.)

PB alarm duration: It means the available alarm duration after urgent alarm is removed.

Alarm snap: Enable to link snap.

➤ Base- Panic alarm:

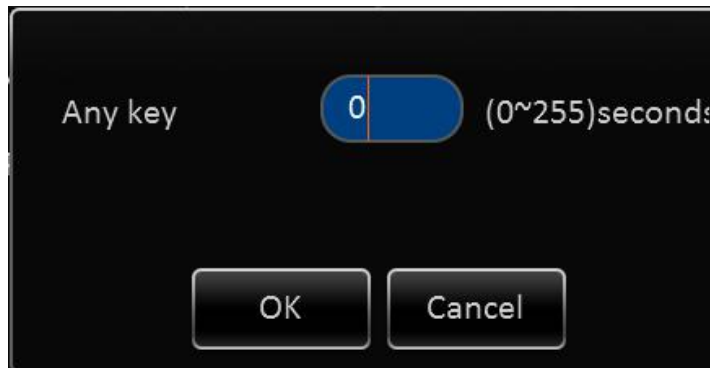


Name: The current name is panic.

Enable: Enable to panic button.

Alarm type: Important type and general type optional.

Trigger: Click any button to delay the time till it reaches the setting time to alarm.



Linkage: When alarm is triggered, link to business operation.

Alarm linkage

Channel 1 2 3 4 ^

5 6 7 8

9 10 11 12

Post recording 1 Min v

Lock

3G Network

Linkage IO output 1 2 v

OK Cancel

Alarm linkage

3G Network ^

Linkage IO output 1 2

Output delay time 0 (0~255)seconds

Alarm Upload

Linkage screen None v Setup

PB alarm duration 0 (0~255)seconds

Alarm snap v

OK Cancel

Channel: Link to recording channel, optional.

Post recording: It means the recording duration after the alarm has been removed.

Lock: Enable to link recording lock when there is alarm.

3G network: When it is set as sensor trigger dial mode, it enables 3G network as it triggers alarm.

Linkage IO output: Enable to link alarm output when alarm is triggered.

Output delay time: It means the alarm output duration after alarm is removed.

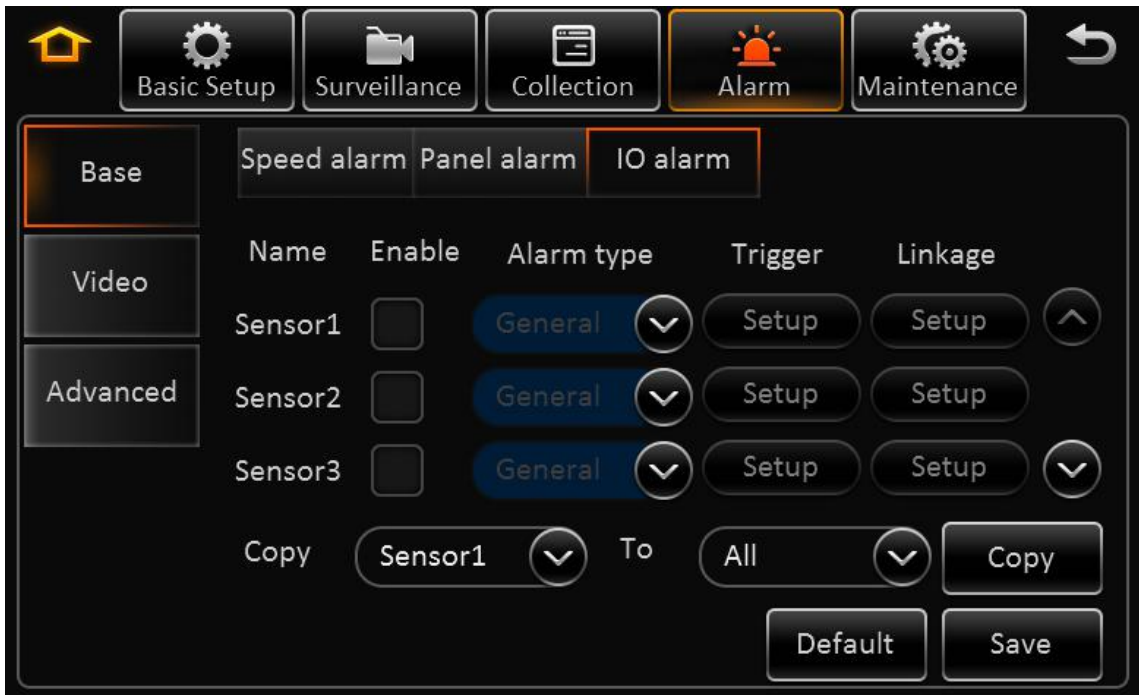
Alarm upload: Enable to upload to platform.

Linkage screen: Enable to link the channel to show full image when there is alarm. (Depends on the MDVR model, display split 1/4/9 optional.)

PB alarm duration: It means the available alarm duration after urgent alarm is removed.

Alarm snap: Enable to link snap.

➤ Base – IO alarm interface:

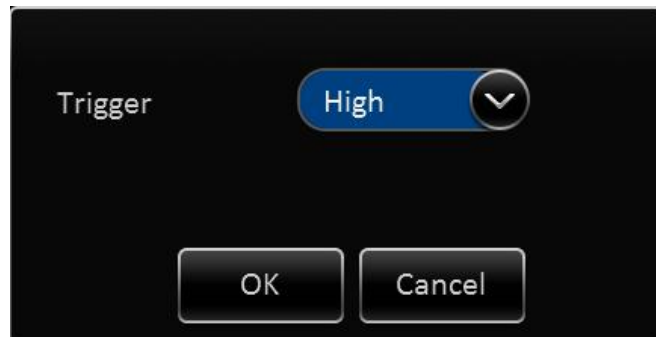


Name: From Sensor1 to Sensor8 (It includes all the alarm input numbers.)

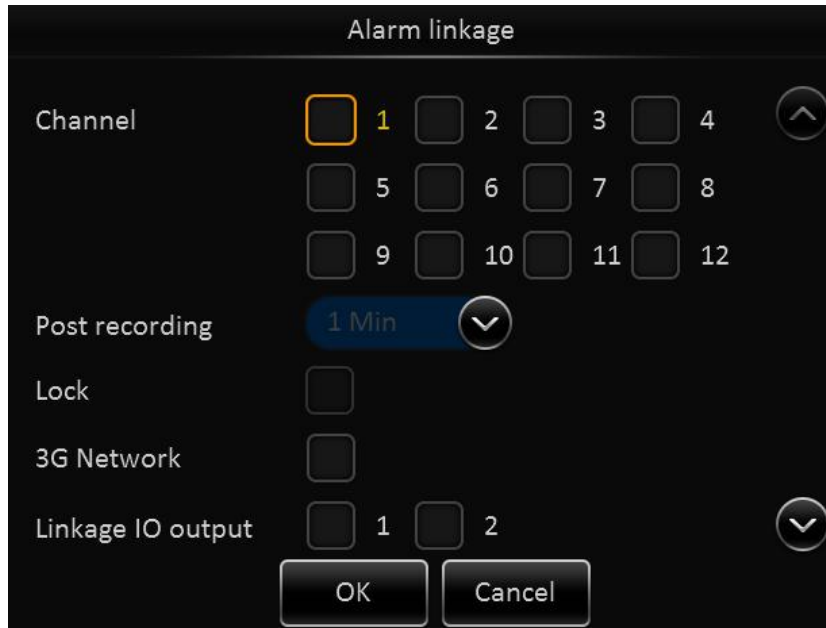
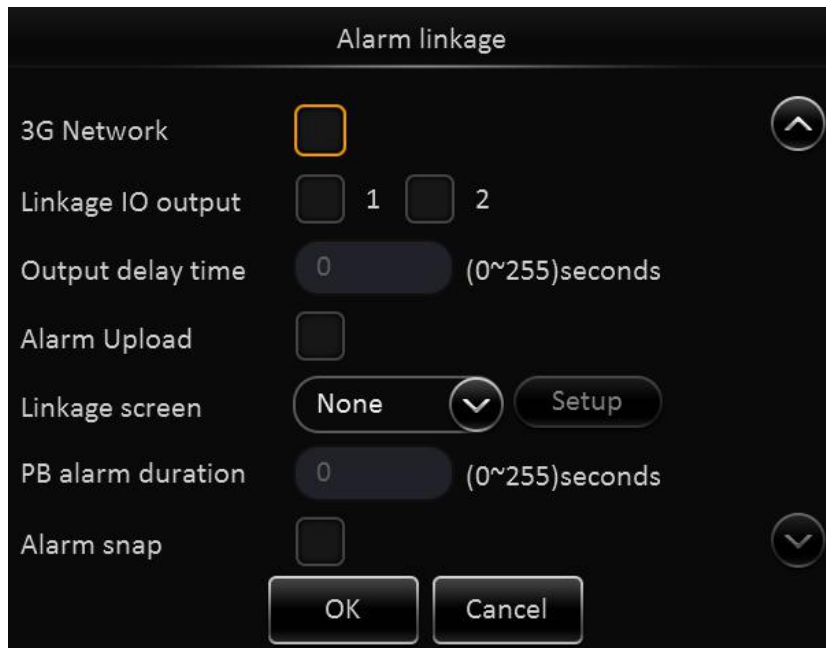
Enable: Enable the sensor alarm.

Alarm type: Important type and general type optional.

Trigger: Low and high optional. It triggers alarm when it is low as default.



Linkage: When alarm is triggered, link to business operation.

Channel: Link to recording channel, optional.

Post recording: It means the recording duration after the alarm has been removed.

Lock: Enable to link recording lock when there is alarm.

3G network: When it is set as sensor trigger dial mode, it enables 3G network as it triggers alarm.

Linkage IO output: Enable to link alarm output when alarm is triggered.

Output delay time: It means the alarm output duration after alarm is removed.

Alarm upload: Enable to upload to platform.

Linkage screen: Enable to link the channel to show full image when there is alarm. (Depends on the MDVR model, display split 1/4/9 optional.)

PB alarm duration: It means the available alarm duration after urgent alarm is removed.

Alarm snap: Enable to link snap.

2.8.2. VIDEO

➤ Video-Video loss

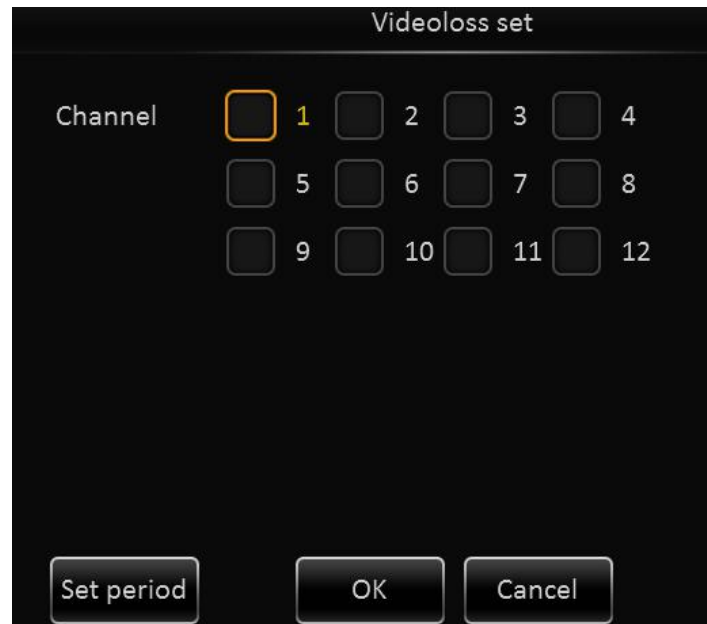


Name: The default name is video loss.

Enable: Enable the video loss.

Alarm type: Important type and general type optional.

Trigger:



Video loss set: It includes all video channels that can be selected.

Set period: Set the checking period when video loss alarm is triggered.

Linkage: When alarm is triggered, link to business operation.



The image shows a settings dialog box titled "Alarm linkage" with a dark background. It contains several configuration options:

- 3G Network:** A checkbox that is currently unchecked.
- Linkage IO output:** Two checkboxes labeled "1" and "2". Both are unchecked.
- Output delay time:** A numeric input field showing "0" with a range of "(0~255)seconds".
- Alarm Upload:** A checkbox that is currently unchecked.
- Linkage screen:** A dropdown menu showing "None" with a downward arrow, and a "Setup" button to its right.
- PB alarm duration:** A numeric input field showing "0" with a range of "(0~255)seconds".
- Alarm snap:** A checkbox that is currently unchecked.

At the bottom of the dialog are two buttons: "OK" and "Cancel". There are also upward and downward arrow icons on the right side of the dialog.

Channel: Link to recording channel, optional.

Post recording: It means the recording duration after the alarm has been removed.

Lock: Enable to link recording lock when there is alarm.

3G network: When it is set as sensor trigger dial mode, it enables 3G network as it triggers alarm.

Linkage IO output: Enable to link alarm output when alarm is triggered.

Output delay time: It means the alarm output duration after alarm is removed.

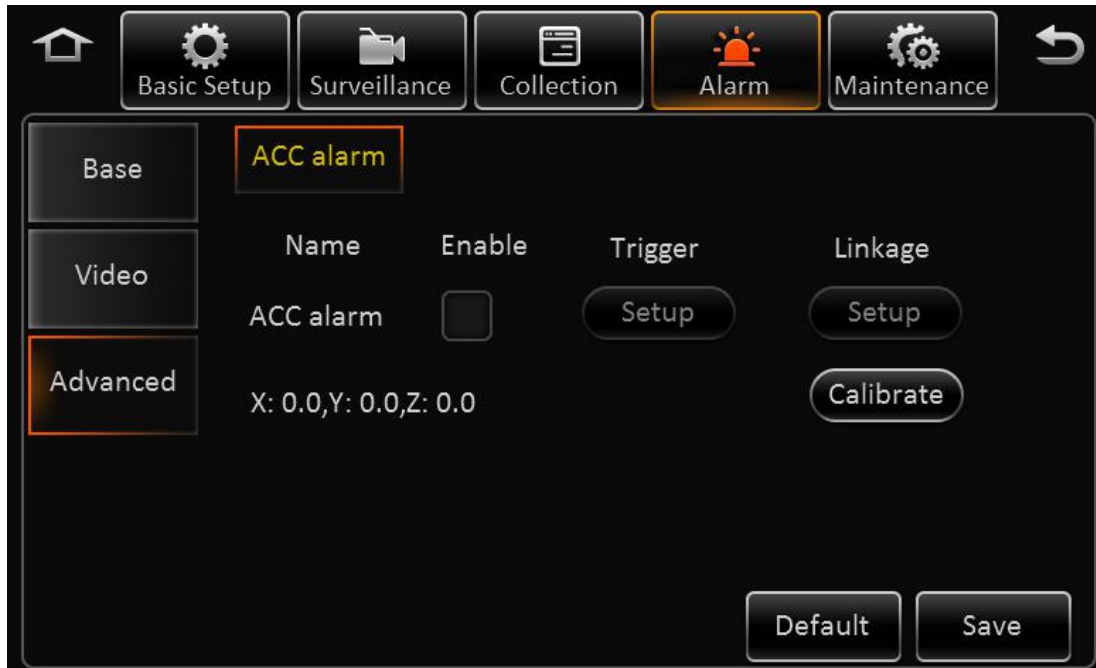
Alarm upload: Enable to upload to platform.

Linkage screen: Enable to link the channel to show full image when there is alarm. (Depends on the MDVR model, display split 1/4/9 optional.)

PB alarm duration: It means the available alarm duration after urgent alarm is removed.

Alarm snap: Enable to link snap.

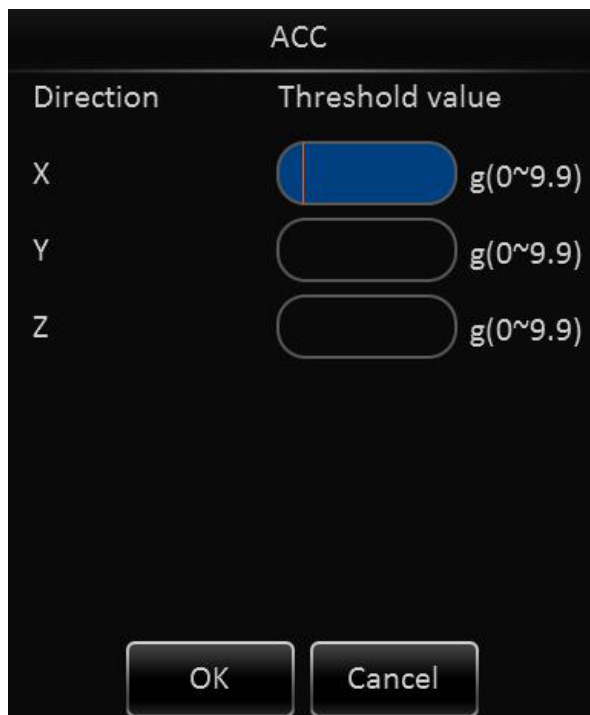
2.8.3. ADVANCE



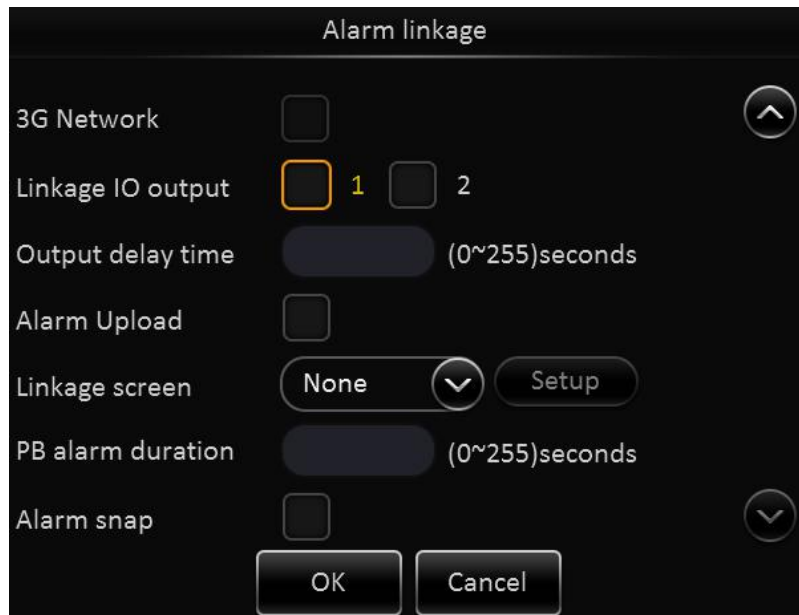
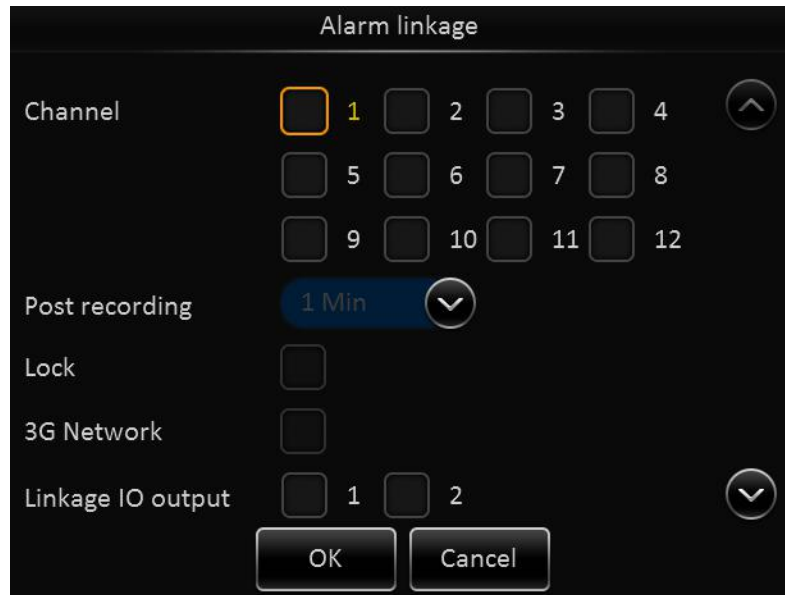
Name: The default name is ACC alarm.

Enable: Enable the ACC alarm.

Trigger: Set the threshold value of X/Y/Z.



Linkage: When alarm is triggered, link to business operation.



Channel: Link to recording channel, optional.

Post recording: It means the recording duration after the alarm has been removed.

Lock: Enable to link recording lock when there is alarm.

3G network: When it is set as sensor trigger dial mode, it enables 3G network as it triggers alarm.

Linkage IO output: Enable to link alarm output when alarm is triggered.

Output delay time: It means the alarm output duration after alarm is removed.

Alarm upload: Enable to upload to platform.

Linkage screen: Enable to link the channel to show full image when there is alarm. (Depends on the MDVR model, display split 1/4/9 optional.)

PB alarm duration: It means the available alarm duration after urgent alarm is removed.

Alarm snap: Enable to link snap.

X:0.0, Y:0.0, Z:0.0: The real time acceleration information.

2.9. MAINTENANCE

After login, click setup>Maintenance, and then enter into the page as follow.

2.9.1. CONFIGURATION

In the configuration page, user can export and import the configuration file.



Insert flash drive to export the configuration file to the root folder, the file name is *ConfigFile*

Insert flash drive to import configuration file into MDVR, and it will display the notice when import successfully.

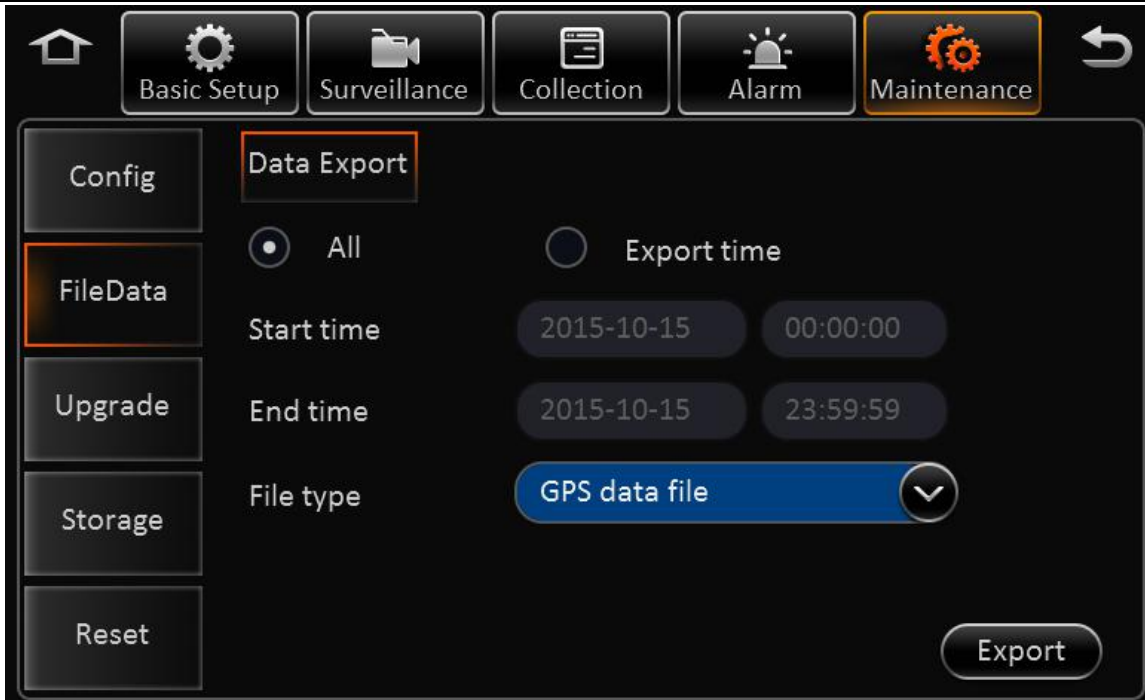
Remark:

It won't import the register info and speed adaption info.

2.9.2. DATA EXPORT

User can export any file.

File type: GPS data file, vehicle info file, ACC info file, Can info file, Dial info file and Captured pic.



2.9.3. UPGRADE

In the page of upgrade, user can upgrade software.



Put the upgrade file in flash drive. Currently, device firmware, microcontrollers firmware, CP4 firmware and IPC firmware can be put inside.

Insert flash drive and enter the upgrade interface, click software upgrade and it will indicate that upgrade file is importing.

MDVR reboot up and enter into upgrade interface after importing successfully.

Remark:

- 1) Make sure don't power off during upgrading.
- 2) Put the upgrade file into the folder "upgrade", which is at the root directory if the USB drive
- 3) It support upgrade firmware, LOGO, MCU, and MCU for CP4.
- 4) Firmware and MCU will package in one file, and it will upgrade MCU first, and then firmware.
- 5) The name of the LOGO are: logo_update(10.12.15).jpg and logo_cvbs(11.12.15).jpg
- 6) Please don't put many files in the same folder when it is upgrading, otherwise, it will upgrade one randomly.

2.9.4. STORAGE

In this page, user can format all the storage.



Storage type: HDD, SD card (Internal), SD card (External), USB drive

Free/Total

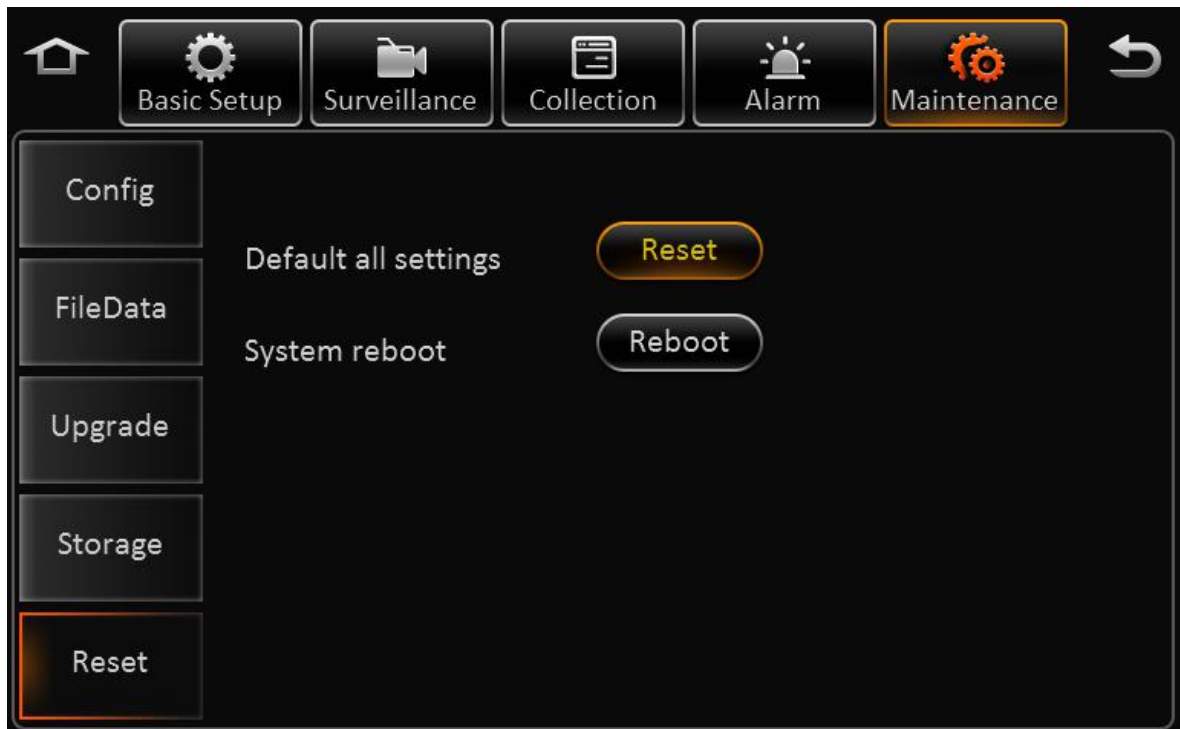
- Not exist: Didn't find the HDD (not install or broken)
- Unformatted: Means the HDD has been detected, but unformatted.(New HDD)
- Capacity info: Display the correct info means HDD working fine

Format:

Click format and it will refresh the current formatted volume information after formatting successfully. It can record after formatting successfully and no need to reboot up.

2.9.5. DEFAULT

In this page, you can click the default button to reset the parameters to factory settings.



Click reset to restore the original data.

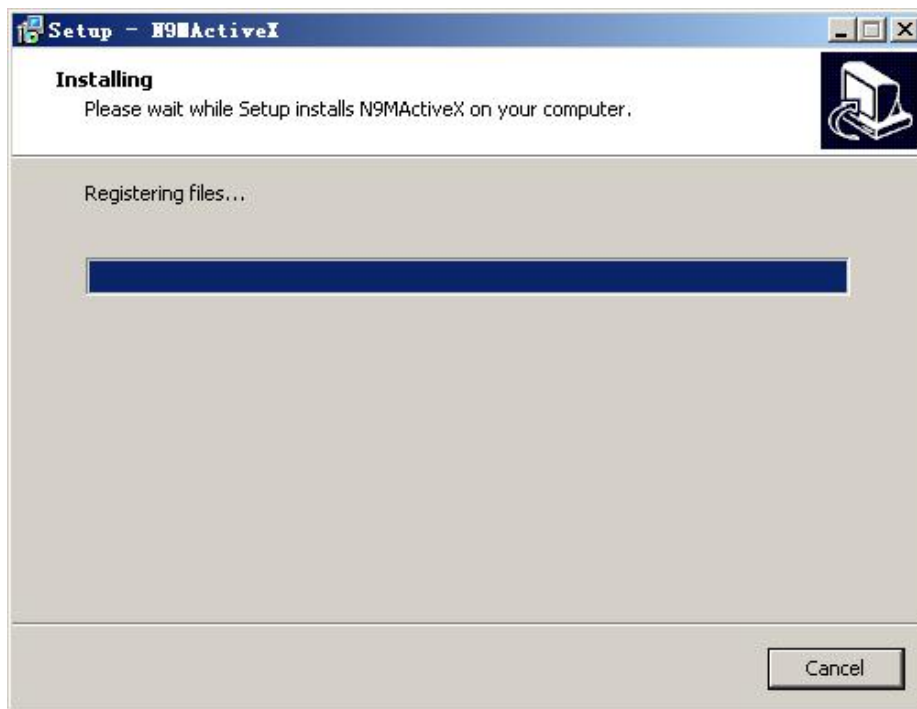
Remark:

For, language, MAC address, register info, CMS server info, speed adaption parameter will not change during default settings.

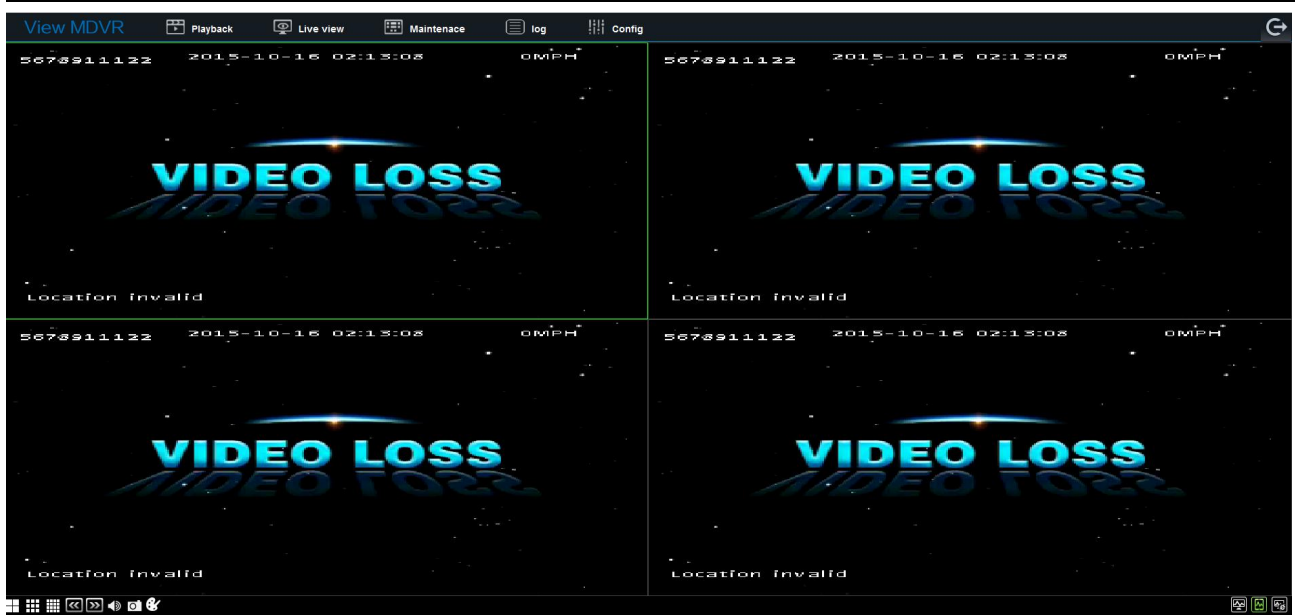
2. WEB MANAGEMENT

2.1. LOGIN INTERFACE

- 1) Connect MDVR into local area network, set relevant information to make sure the computer can visit the MDVR.
- 2) Open browser and input http:// IP address of MDVR. It will go to the WEB login interface of MDVR. And the default IP address is 192.168.1.100
- 3) Interface will pop up a window to install activex, click install.
- 4) Refresh the web page, enter default user name admin/admin to log in.



2.2. MAIN INTERFACE



Icons: quad, 9-split, preview, next page, sound, capture and video parameters.



Stream switch: main stream, sub-stream and network transmission sub stream.



Log out: log out and come to the log in interface

2.3. PLAYBACK



2015 Oct. Main recd

Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

Video type: All

Start time: 00 00 00

End time: 23 59 59

Channel: 1 2 3 4
5 6 7 8
9 10 11 12

Search

Record list>>

If the date is marked as color green, it means there is recording.

Playback Live view Maintenance log Config

00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 23:59:58 24:00:00



Recording playback window: Video window, play time-line, play control button, window switch...

Channel	Start time	End time	Video type:	Status
[Empty Playback Area]				
First Prev. Next Last Backup				Page 1/1

Record list: It displays all the record. Click backup download video file to local computer hard disk.

2.4. MAINTENANCE

3.4.1. BASIC INFORMATION

View MDVR			
Current State History State			
<ul style="list-style-type: none"> Basic Information Device Module Storage Device Version Information 	Video Fault	Channel1	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
		Channel2	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
		Channel3	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
		Channel4	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
		Channel5	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
		Channel6	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
		Channel7	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
		Channel8	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Storage State	HDD1	1. Not compatible with HDD 2. No HDD 3.HDD cable is loose inside the box 4. Software Problems

Basic information: It contains the current state & history state of channel video and storage.

		Current State History State
Video Fault	Channel1	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Channel2	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Channel3	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Channel4	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Channel5	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Channel6	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Channel7	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
	Channel8	1.Camera Damaged 2.Camera poor contact 3.The camera is not installed
Storage State	HDD1	1.Not compatible with HDD 2.No HDD 3.HDD cable is loose inside the box 4.Sofware Problems

3.4.2. DEVICE MODULE

Device module: It is about the current state of module, WIFI module and satellite location module.

Module1	Network type	Unknown
	Moduel status	exist
	SIM card status	No SIM card
	Signal	 (0 dBm)
	Dial status	Unknown status
Module2	Network type	Unknown
	Moduel status	not exist
	SIM card status	No SIM card
	Signal	 (0 dBm)
	Dial status	undefined
WIFI Module	Moduel status	not enabled
	Signal	
Satellite Location Module	Moduel status	Invalid GPS Signal
	Signal	
	Location plant number	0

3.4.3. STORAGE DEVICE

Storage device: There are the volume information & format operation of storage (hard disk/flash drive/SD card), and the path of snap & record backup.

Storage Name	Free/Total	Format
HDD	None	
SD(Internal)	None	
Flash drive	None	
Local storage		
Snap Path	<input type="text" value="C:\Users\Administrator\NVR\"/>	<input type="button" value="Browse"/>
Record backup path	<input type="text" value="C:\Users\Administrator\NVR\"/>	<input type="button" value="Browse"/>

3.4.4. VERSION INFORMATION

Version information: There are device type, name, firmware version, MCU version, CP3/4 version, upgrade, configuration file export and configuration file import.

Device Type	MD3104
Name	Current Version
Firmware version	T15090973
MCU version	MCU-T15082701
CP3/4 Version	CP4-M-STM8-MCU-T410302
Upgrade	<input type="text"/> <input type="button" value="Browse"/> <input type="button" value="Upgrade"/>
Config file export	<input type="button" value="Export"/>
Config file import	<input type="text"/> <input type="button" value="Browse"/> <input type="button" value="Import"/>

➤ Log

Playback Live view Maintenance log Config

Log type: Time:

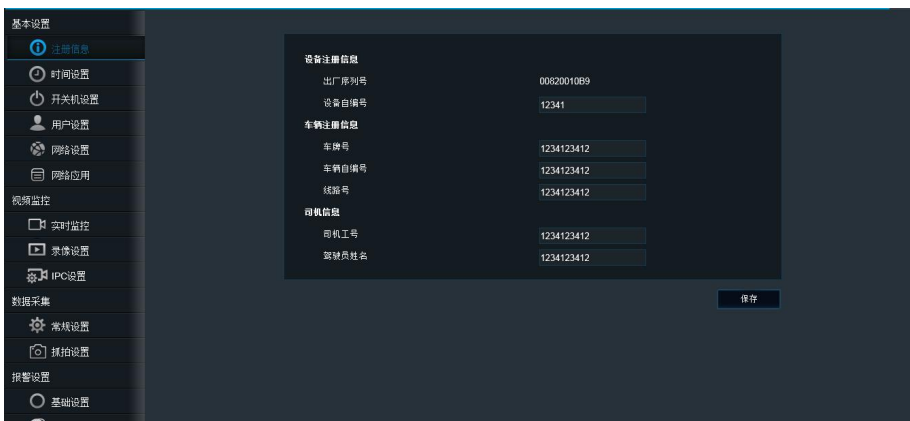
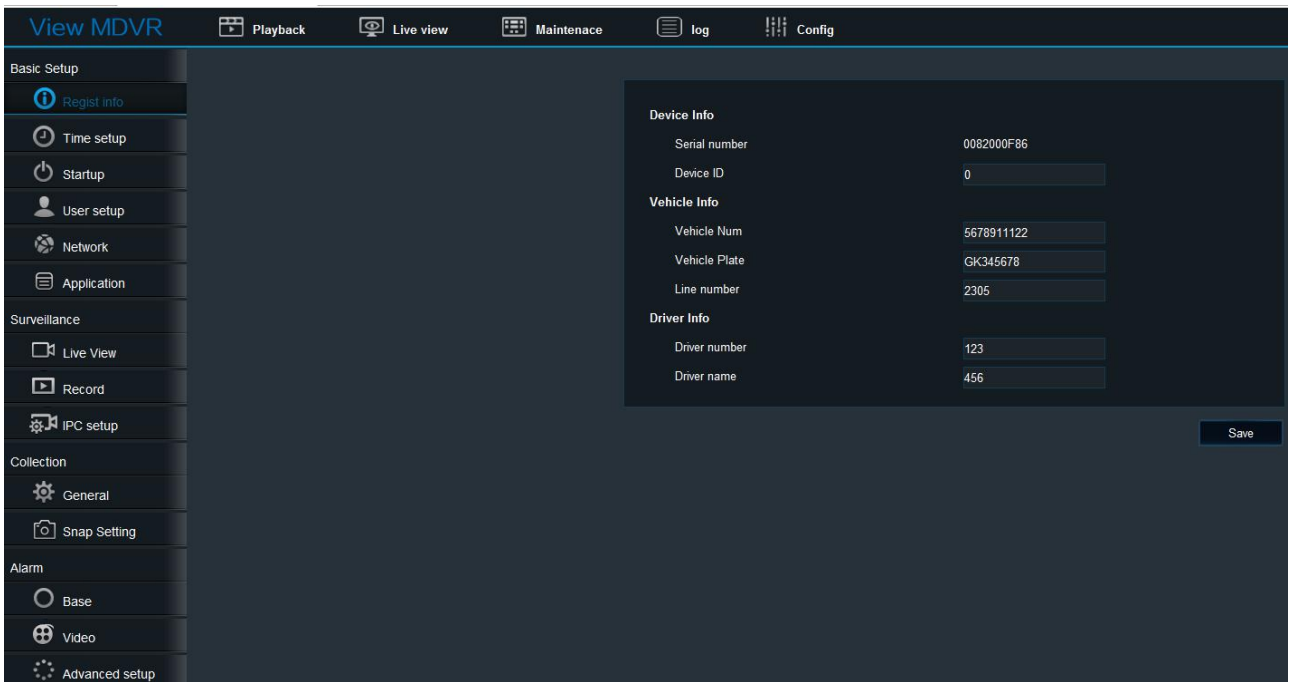
Operate type: From: To:

Operate type	Time	Information
--------------	------	-------------

Have found 0 data The 0 / 0 Page

Log: There is Log type (operation log, alarm log and locked log), operation type (IO alarm, panel alarm, speed alarm, video loss and ACC alarm) date, and log export.

2.5. CONFIGURATION



The parameter setting is the same as the local setting. User can view the operation at the local setting.