4/8 Road 1080P HD Instructions for the use of vehicle video recorders

Thank you for using this product. The appearance or function is different from this manual due to the differences between different models or product upgrades. Please refer to the physical object or contact the manufacturer. The contents of this manual will be updated irregularly. Without prior notice!

Declarations

This manual is suitable for 4/8 road high definition series DVR products, may not be accurate in some technical details, if you have physical objects in use with this manual inconsistent. The contents of this manual will be updated without prior notice.

One Warning

1、 installation environment

- In order to extend the service life of the equipment, please install the equipment in the parts where the vibration of the vehicle is weaker as far as possible;;
- In order to ensure the normal heat dissipation of the equipment, it is necessary to avoid the poorly ventilated position (such as the trunk of the vehicle) and keep a distance of about 15cm from other objects in the same plane of the equipment.;
- This machine should be installed horizontally. When installing the equipment, please pay attention to waterproof, damp proof and lightning protection, and keep the equipment still to prevent the falling and damage of the equipment

To ensure safe use of the equipment, this machine, camera, wire and other accessories should be placed in places where passengers and drivers are not in contact.

2、 Avoid electric shocks and fires

- This machine uses 8V-36V DC power supply, please pay attention to the positive and negative electrode when wiring, avoid short circuit;
- When connecting to other peripherals, turn off the local power supply;
- Remember not to touch power and equipment with wet hands;
- Do not splash liquid on the equipment so as not to cause short circuit or fire inside the machine ;
- Do not place other equipment directly on the top of the camera;
- Non-professional personnel do not take apart the case to avoid damage and electric shock;

3、 Transportation and handling

- In order to ensure that the equipment is not accidentally damaged in the course of transportation, when handling or transporting equipment, please pay attention to light handling, preferably using the original packaging materials and cartons;
- It is strictly forbidden to move the machine or replace the component, otherwise the equipment will be damaged.;

product summary

一、Introduction

1.Product Overview

The VCR is a dedicated HDD VCR that supports 4/8 channels 1080P / 960P / 720P / D1 mode audio and video recording and playback at the same time. The product adopts ARM DSPS dual-core high-speed processor, embedded Linux embedded operating system, and combines with the most advanced H.264 video coding and decoding in IT field. 3G / 4G network GPS positioning WiFi technology, including power failure protection technology, hard disk shock absorption technology, hard disk heating technology, car wide voltage design in one, can be widely used in buses, logistics vehicles. School bus, police car, Kim. Transport vehicles, fuel trucks and other vehicle monitoring.。

product features ：

- Support H.264 Image Compression coding 4: 120 FPS @ 1080P pal 8: 15fps1080P PAL
- Can support 4/8 channels 1080P / 960P / 720P / D1 mode audio and video simultaneously video and playback. Maximum support 4 / 8 1080P AHD/720P AHD / 960H channel analog audio and video simultaneous recording
- The aviation head video interface is adopted, the reliability is high and the seismic effect is strong.
- Built-in 3G / 4G network / GPS / WiFi module (optional 5.8GHz dual-antenna WiFix for high-definition video download, fast)
- Using UPS patent protection technology, it can still work 3 ~ 8 seconds when the external power supply is cut, to prevent the video file from accidental damage (customization).
- SD card machine support 2 built-in SD card, maximum support 128G capacity。
- Hard drive machine can be built in 2.5 inches hard disk, the maximum support for 2 terabytes of professional hard disk。
- Good expansibility, with 1 RS485 interface (optional, 1 RS232 interface)
- 8V-36V wide voltage DC power supply, supporting 12V output power supply
- Support hard disk heating technology, can work at -40 ℃ -70 ℃

2.Products Specifications

project	parameter	SD truck loader	H D D truck loader
system	language	Chinese / English / traditional (default voice), other customizable	

	interface	Graphical menu operation interface	
	pin security	User password, administrator password two-level management (default password: 111111)	
video	video in	A:Support 4 road CIF/HD1/D1/960H/ 720P AHD/1080P AHD camera simultaneously recording and playback	A:Support 4 / 8Simultaneous recording and playback of IF/HD1/D1/960H/720P/1080P AHD camera
	video out	3-channel video output (1 Φ 3.5 Phone Jack, 1 VGA high-definition output in 30PIN connection head)	
	video display	Support 1 / 4 screen display (self selected preview mode)	Support 1 / 9 screen display (self-selected preview mode)
	AVS	PAL system、NTSC system	
	image compression	H.264 Main profile, PAL:120 frame 1080P/ sec, NTSC:120 frame 1080P/ sec	H.264 Main profile, PAL:120 frame 1080P/ sec, NTSC:120 frame 1080P/ sec
audio	AUDIO IN	4 AUDIO IN	4/8 AUDIO IN
	audio out	1 channel audio output (1 of which 3.5 Phone Jack,)	
	Open Reel	Simultaneous recording of sound and video	
image storage	Image Format	CIF/HD1/D1/960H/720P/1080P optional	CIF/HD1/D1/960H/720P/1080P optional
	Video stream standard	ISO14496-10	
	Video K / bps	CIF: 1536Kbps ~ 128Kbps	
		HD1/D1: 2048Kbps ~ 400Kbps	
		960H: 2048Kbps ~ 400Kbps	
		720P: 4096Kbps ~ 400Kbps	
		1080P:2048Kbps ~ 8192Kbps	
		8 grade painting is optional, 1 is the highest quality, and the 8 is the lowest.	
	audioK / bps	40Kbps	
	memory	Maximum 128G Capacity SD card	Maximum support for 2T hard disk /SSD
alarm	alarm IN	4 alarm input can be configured below 1V low level alarm or above 5V high level alarm	
	Alarm out	1 alarm output, output high level 12V	
CI	RS485	Support 1 RS485 interfaces	
	RS232	Support 1 RS232 interfaces	
	RJ45	1 can be connected to the wired network	
	USB	USB for software upgrading and video	USB for software upgrading and video
wireless	3G	Built-in 3G communication module (HSUPA/HSDPA/WCDMA/EVDO/TD-SCDMA) optional	
	4G	Built-in 4G communication module (FDD-LTE/TDD-LTE) optional	

	WiFi	Built in WiFi module (optional 2.4/5.8GHz)
GPS	Support built-in GPS module, geographic coordinates, speed and so on can be written code stream, and can be wireless Uploaded	
sensor	Built-in acceleration sensor G-Sensor (selection)	
bundled software	PC playback	Replay video files at the PC side and analyze the vehicle information in the file
	CMS management	The functions of video preview, GPS uploading, alarm uploading, central command dispatch, parameter configuration and so on are realized through wireless network
upgrade	This machine supports the SD card /USB interface and the remote CMS platform upgrade	This machine supports the SD card /USB interface and the remote CMS platform upgrade

Electrical parameters of product:

Power input	+8～+36V	8V ~ 36V before use, please make sure the car battery power supply voltage; over 36V for a long time, will burn the machine
Power out	12V	12V (+/-0.2V), Maximum current:2A
ACC detection	≤5V	Shutdown
	≥5V	Boot
Video input impedance	75Ω	Each video input impedance: 75Ω
Video output voltage	2Vp-p	2VP-P CVBS outputs analog signals, and the display device input requires 75 Omega impedance to adapt to it。
I / O	1V 以下	Low level alarm
	5V 以上	High level alarm
working temperature	-40℃～60℃	In a well ventilated environment
Whole machine size	147*147*41mm	147*167*59mm

3. Host introduction

SD Card status indicator

Hard disk status indicator

3.1 SD card and hard disk LED indicator light and state description

- 【PWR】The power input status indicator. The light indicates that the power supply of the system is working normally.;
- 【SD】SD card working light. The light often shows that the SD card works well. The SD card slot is used to record video data, configuration files update and upgrade.。
- 【ALM】A warning light, when the system has an alarm, the light is bright and the light is out when there is no alarm.
- 【VLOSS】When there is any way of video loss, this light is on
- 【GPS】The light is lit when the GPS signal is located, and the light is destroyed when the location is not located or the location fails.;
- 【REC】Video work indicator. The LED light indicates that the current is being videotaped。
- 【LOCK】Control device switch machine, boot the lock and SD card or hard disk, anti plug;
- 【SIM】3G/4G phone card slot;
- 【USB】Is used to copy videos or upgrade.。
- 【AV 】Pre video output port;;
- 【IR】Remote control input for receiving a remote control signal。

3.2 The definition of the rear panel

SD card and hard disk backboard state

Back plate state of 8 way hard disk

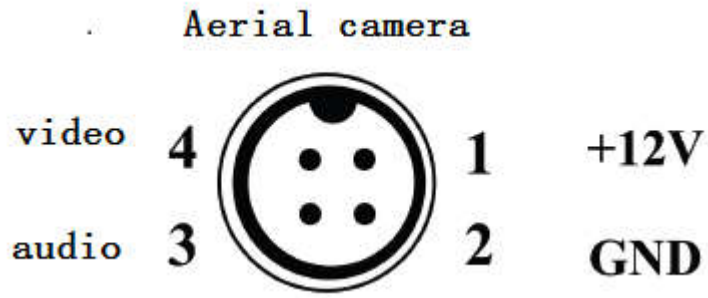
- 【DC8-36V】The power interface, the red line is connected to the power source of the vehicle; the black line is connected with the negative pole of the power supply and the yellow line is the ACC

signal line. When you need to set a timing video or a ignition video, the ACC line is connected to the car

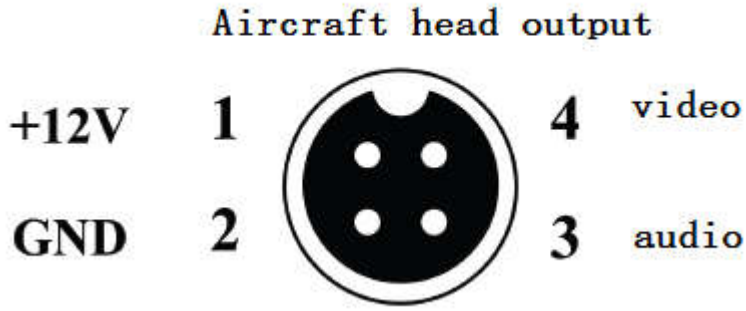
- 【**NET**】RJ45 network interface;
- 【**I/O**】10PIN interface: contains 4 way alarm input, 1 road output, 1 road GND, 1 road RS232 (TX, RX), 1 road RS485.
- 【**AV IN 1~4/5-8**】Four channel audio and video input interface;
- 【**3G/4G**】3G/4G Antenna interface;
- 【**WIFI**】WIFI Antenna interface;
- 【**GPS**】GPS Antenna interface。
- 【IR】3.5MM infrared telecontrol extension line;

3.3 Audio and video interface

Definition of host aircraft head interface:



Definition of the aerial head interface of the camera::



3.4Main keys of remote control

二：Equipment and installation

Step1：GPS, 3G/4G and WiFi antennas are installed. The GPS, 3G/4G and WiFi antennas shown below are connected to the corresponding positions of the rear panel of the MDVR, and a reasonable wiring is made, so that the signal is not subject to external interference.。

GPS

3G/4G

WIFI

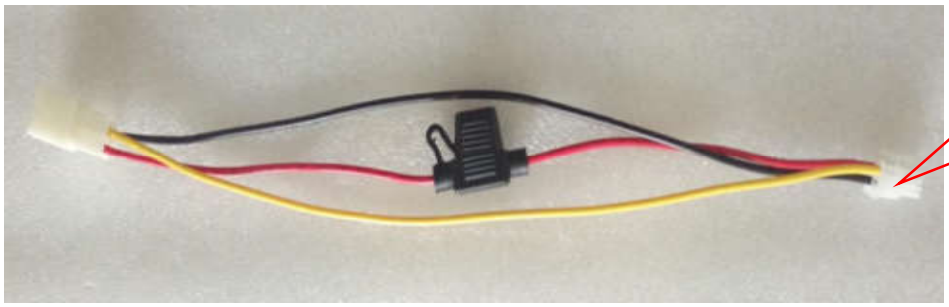
Step2：Power line

A:Switch mode is set to "ignition" power connection mode：

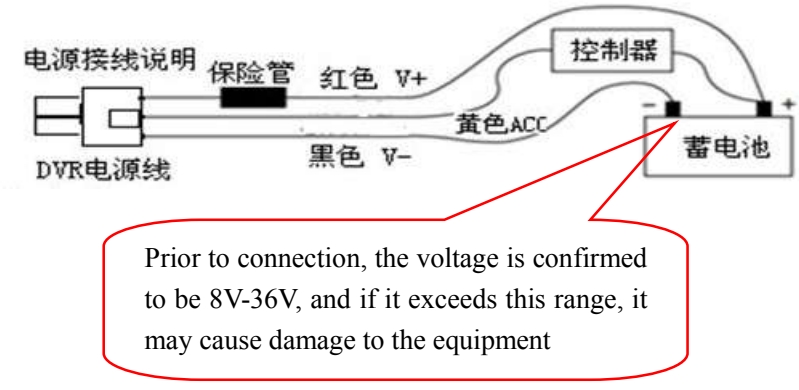
When the system management, power management, boot mode, the switch is set to "fire", the white 6PIN plug connection to the rear panel of the MDVR 6PIN power input interface cable, red and black is directly connected to the car battery or level out after received total electric insurance after the red line connected to the positive and negative black ground. The yellow line is connected to the ACC switch of vehicle ignition line, that is, the gear switch before starting the motor. When the key is opened, the device will start automatically, and if the vehicle key is closed, it will shut automatically.

B: switch mode is set to "timing" or product test, power connection mode。

When the system management, power management, boot mode, the switch is set to "time" or when the device is used in non vehicular environment (such as bus stations, logistics station monitoring system) or product testing, the red and yellow line twist into a power supply cathode, black separate grounding negative。



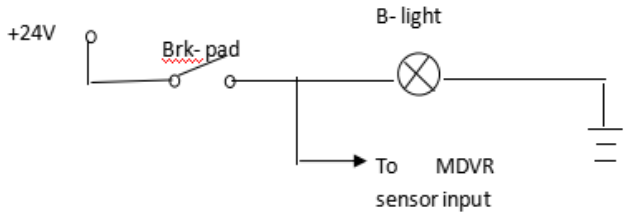
This end connects the MDVR rear panel power interface -557 connector



Prior to connection, the voltage is confirmed to be 8V-36V, and if it exceeds this range, it may cause damage to the equipment

The MDVR power line suggests direct connection to the positive and negative pole of the vehicle battery, or the battery is connected to the positive and negative pole after the safety box is connected. No connection to the metal conductor inside the car as the ground, otherwise it will produce negative pulse interference normal operation of the host, the positive and negative power supply wire diameter must be more than 1.5mm. The installation host installed the equipment level to the suitable position in the car according to the size of the hole position.

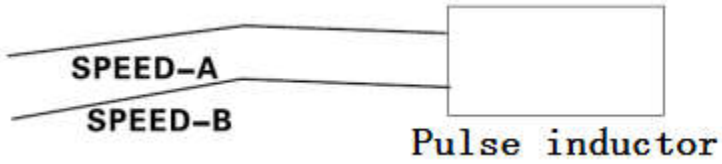
Step3：Alarm input and output line



A：Overspeed alarm connection

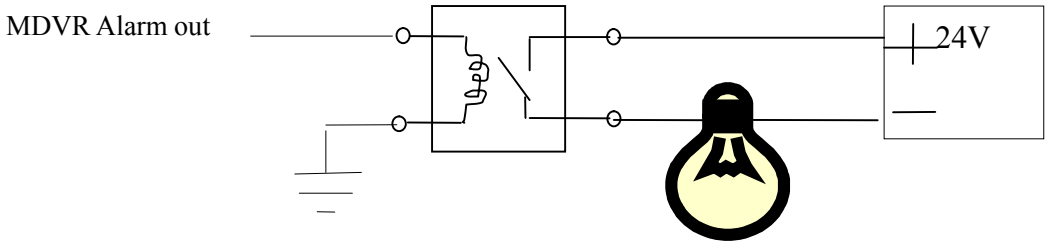
A:If the vehicle chooses the speed of GPS acquisition and requires the GPS signal to be normal, only the relevant settings in the system menu, alarm settings and speed settings can realize the alarm function。

B:If the speed is chosen from the vehicle, the speed pulse sensor must be connected to the speed alarm. The pulse sensor receives two lines of SPEED-A and SPEED-B on the port of our device. The connection schematic diagram is as follows:



B：Alarm output connection

This machine provides 1 way alarm output, and uses the level output 200MA current to drive the external alarm equipment. If you want to drive a more powerful device, you must connect the external relay, and refer to the diagram as follows。

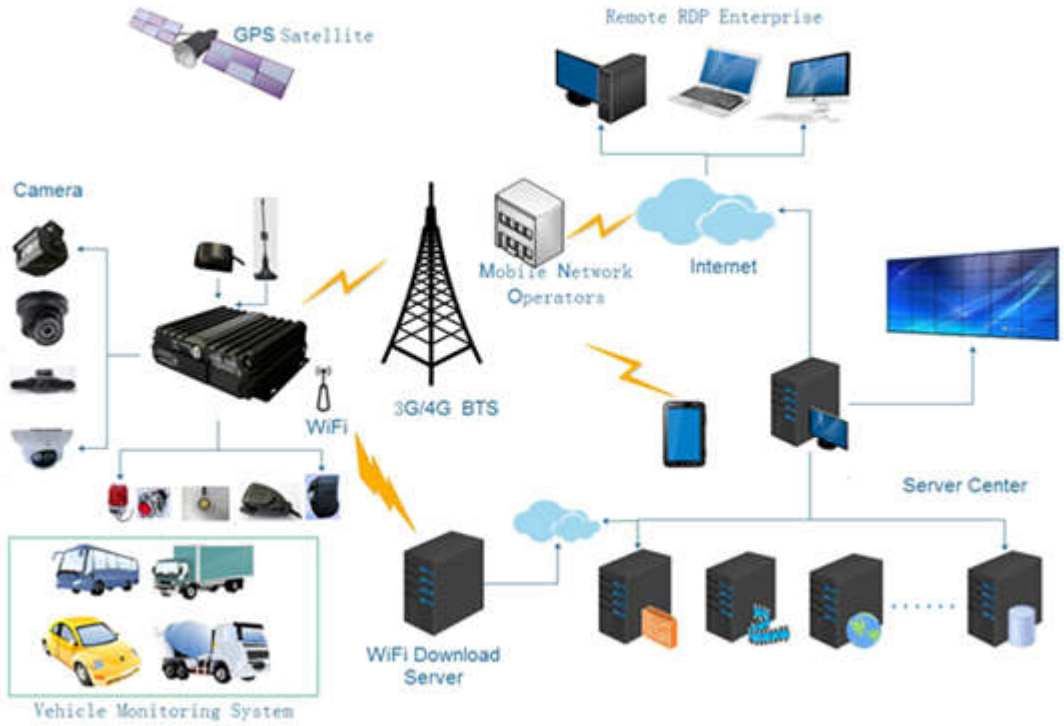


Setp3：RS232/RS485 Device access（default 232）

This product provides 1 way RS232 serial port and 1 way RS485 input. Users can choose the equipment needed for sensors, OBD, interphone and other RS232 serial ports or RS485 communication according to actual needs. When installing the first external equipment, power line communication line and supporting the shipments of the 10PIN I/O port line to be good, and then received the vehicle rear panel of the MDVR 10PIN I/O port, the final installation of external equipment and reasonable wiring to probe.

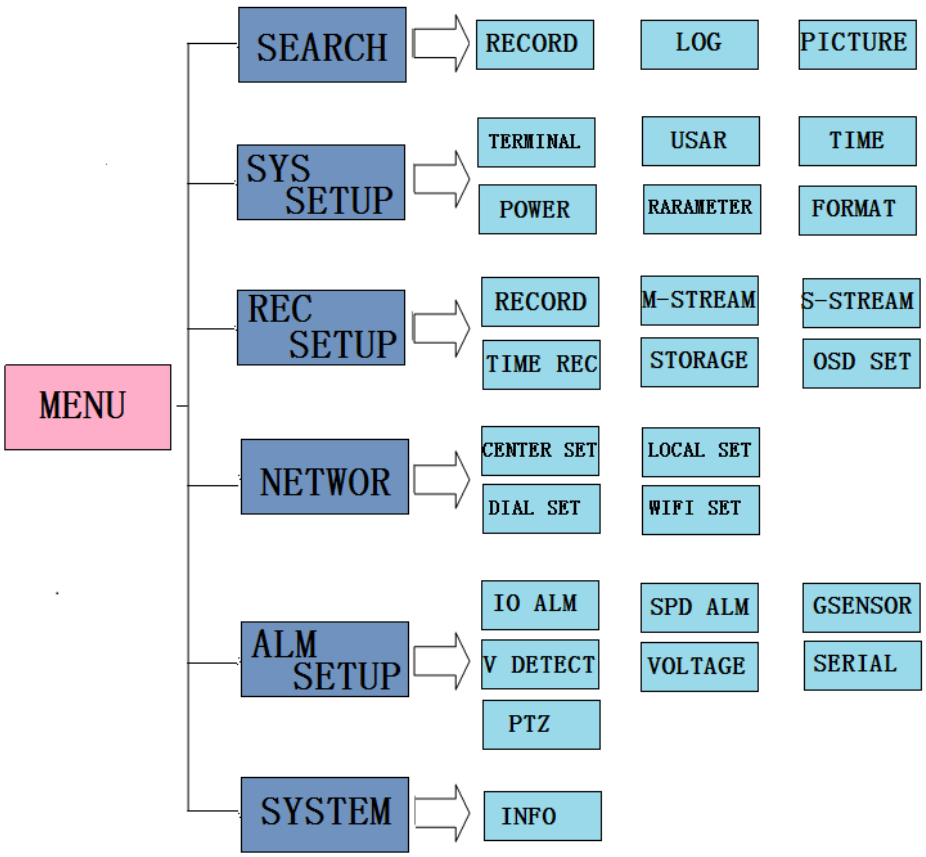
2. product application solution connection mode

3. This product can be used for video surveillance and remote monitoring, suitable for ordinary or special vehicles, it is mainly through the video signal collection special car camera in the front, and then through a special video cable to the MDVR host for video compression and image processing are stored in the hard disk. The location of vehicle can be located in real time by GPS module, and uploaded to remote server through 3G/4G module. It can support video download on remote client, so as to realize remote real-time monitoring of vehicle. The following is the actual use of this product model, in the actual use of the process may be based on the difference between the vehicle and the external equipment.。



三、Menu structure diagram

The user controls the vehicle equipment through a series of menu operations. The following figure is a simple description of the menu structure:



3.1system operation

3.1.1 Login

Reminding: if the password switch is set off, press the LOGIN button to enter the menu interface

After the host is opened, press the LOGIN button on the remote control to enter the login interface, as follows：

Password: ordinary user password and administrator password, log in with ordinary user password, can only enter search and browse, and can't enter settings menu settings parameters. The administrator password is logon, and the parameters can be set up。

Description: the initial password for the ordinary user is 111111, and the administrator's initial password is 888888。

Main Menu

The main menu includes: query, system setting, video setting, network setting, alarm and peripherals,

system information.

Note:

1, all submenus settings below must be valid after confirmation, otherwise the settings are invalid.

2、check box - filled said selected a feature, not filled not to select a function.。

3、Enter the menu interface (including video query), and the device stops the video.。

4、Press the number key on the remote control to enter the number directly.。

3.1 .2 Search Menu.

The query menu includes: video search, log query and picture search

3.1.3 Video search.

Search date: according to the number key input date, the default is the day.。

Start time: by the number key input time, the default is 00:00.

End time: by the number key input time, the default is 23:59

Video type: click [OK] key: all / alarm. The system is default to all。

Storage medium: select the OK key: main disk / mirror disk / standby disk. System default primary disk。

Search: the cursor moves to the search button and press [OK] to enter the search result interface

Click on the direction key to select the video data to view, press [PTZ] special key to start playing video data, press [ESC] key to the upper level

Select the video file you want to view and click the OK button to check the video that needs to be backed up

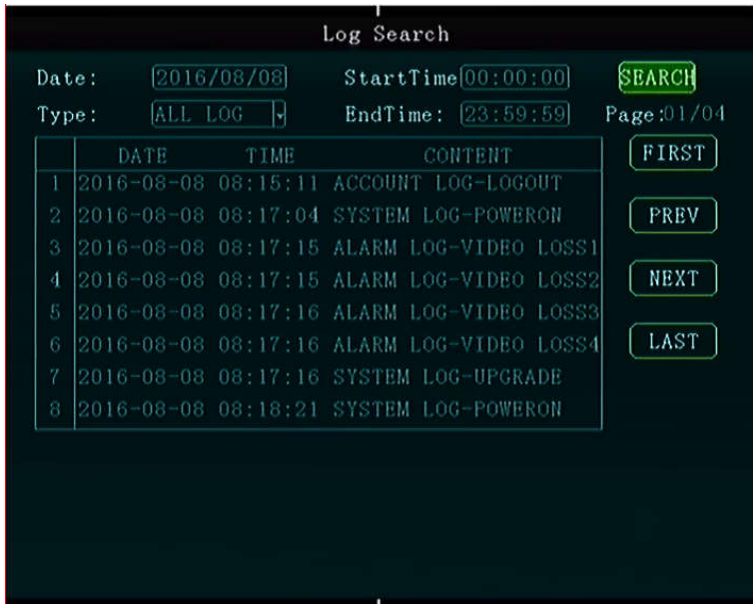
Press the arrow keys to select the "home page", "on page" and "next page", "the end", according to the [OK] button to display the page information.。

Press the arrow keys to select the "select" and "reverse selection" and "export / backup”

Export: the selected video file can be exported to the plug - in USB device according to the OK button。

Explanation: if there is no video file in the selected time period, the interface prompts, "there is no video file in this day!"

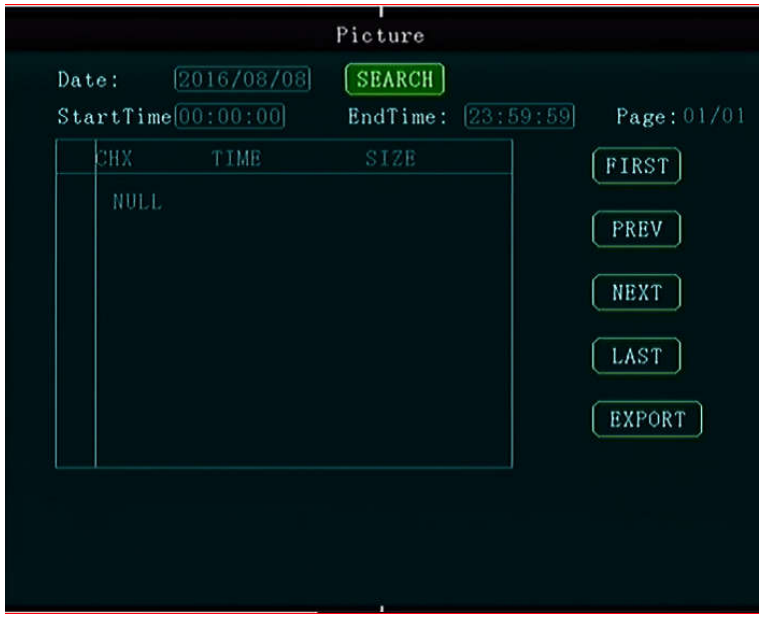
3.1.4 Log search



The log management record produces the event information of the switch machine, GPS time and alarm time, including event date, event time, event name.

Search date: according to the number key input date, the default is the day
Log category: select by [OK] key: all / system log / alarm log / operation log. The system is default。
Start time: according to the number key input time, the default is 00:00。
End time: by the number key input time, the default is 23:59。
Search: log information in the end time range by the OK key。
Press the arrow keys to select the "home page", "on page" and "next page", "the end", according to the [OK] button to display the page information。

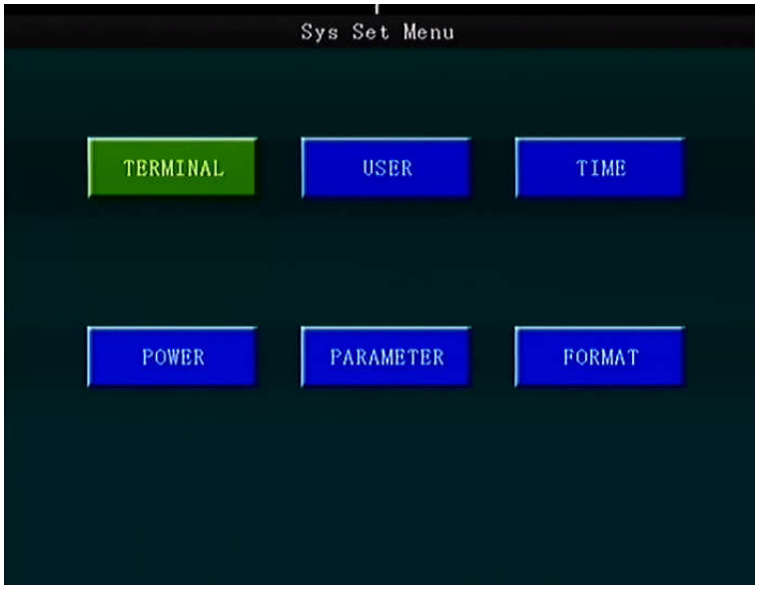
3.1.5 Picture



Search date: according to the number key input date, the default is the day。
Start time: by the number key input time, the default is 00:00.。
End time: by the number key input time, the default is 23:59.。
Search: select the OK button to search for the log information in the end time range.

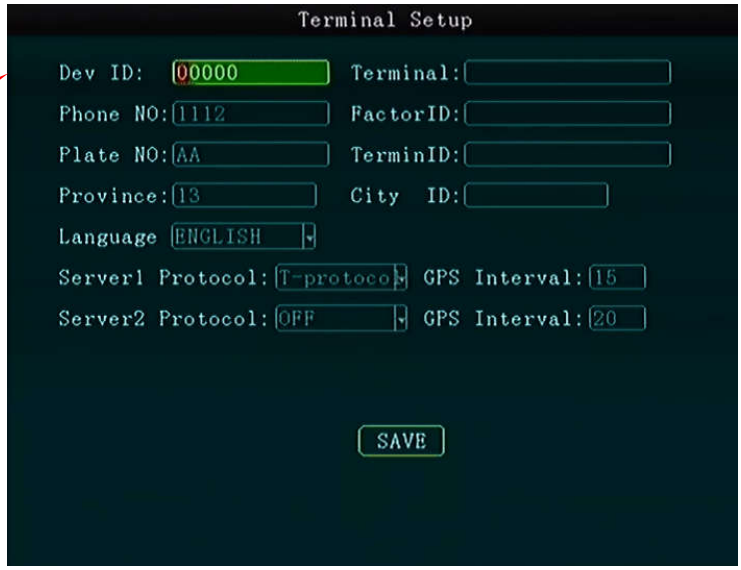
Press the arrow keys to select the "home page", "on page" and "next page", "the end", according to the [OK] button to display the page information.

3.1.6 Sys Set Menu



The system management menu includes six functions: terminal setting, user management, system clock, power management, parameter setting and formatting

3.1.7 Terminal setup



The server will monitor and manage the vehicle through the device number, and the uniqueness of the device number must be guaranteed when the vehicle is managed through the 3G/4G network.

Device number, cell phone number, license plate number, provincial ID, terminal model, manufacturer ID, terminal ID, city domain ID: input by digital key.

Language: select by [OK] key.

3.1.8 User management.

Password enabled: press [OK] key: turn on / off。

Open: use administrator password to login, set up ordinary user / administrator password; use user password to login, set user password only, enter by numeric key, administrator and user input password must be consistent two times。

Close: no password can be set. When you enter the menu, you don't need to log in and go directly into the main menu.

Be careful：

If multiple devices are put together for power supply video recording, please use different passwords and equipment numbers for each station, so as to avoid interfering with other devices when operating a device, and the device number can be modified in terminal settings

3.1.9 Time Setup

When the GPS time is selected, the time point will be updated at the time of the school time. The time of GM +08:00 time zone is defaults to the time of school time.

Date format: the choice of date format, that is, annual - month - day, day - month - year, month - day - year. Click the OK button

Timing options: select [OK] key: turn off /GPS/NTP, and the system default is GPS.

Timeout: set the menu waiting time, after the setting time, automatically write off the current login user and return to the monitoring state. Select by [OK] key: 1 minutes /2 minutes /5 minutes /10 minutes, the system default is 1 minutes

Date: changes to the current date of the system and input by the number key.。

Time: for the current time modification of the system, press the number key。

Time zone: the time zone is selected by the OK key, and the system default is GMT+08.。

3.1.10 Power Management

Optional timing mode / ignition mode, car default ignition mode, and video delay time can be set at this time.。

Switch mode: set the mode of the switchgear, select the OK key: ignition mode / timing mode。

Timing mode: the switch machine is realized according to the time section of the switchgear set by the user。

Ignition mode: according to the car key signal switchgear。

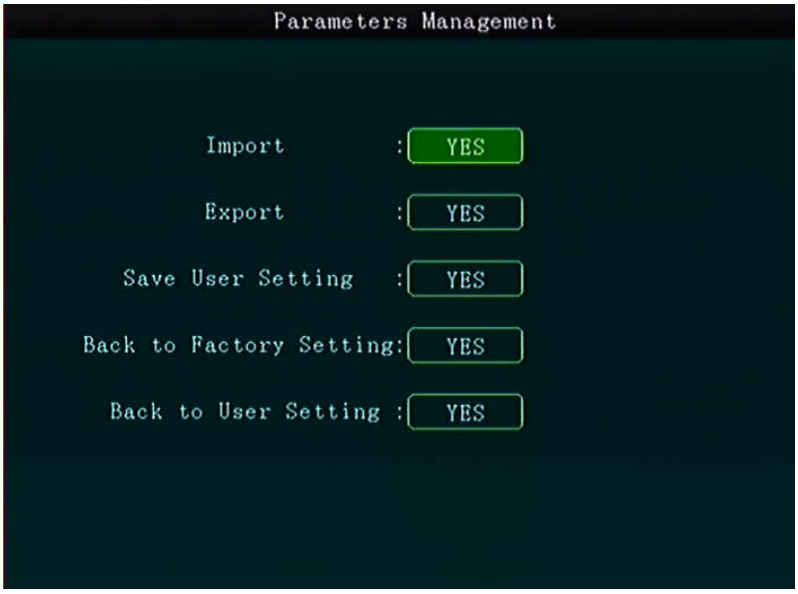
Delay shutdown: to shutdown time does not turn off the machine, to the delayed shutdown time automatically shut down, according to the DEL key to clear the original number, according to the digital key input。

Start time: set in the timing mode of the start time, press the number key input。

Shutdown time: set the shutdown time in the timing mode and press the digital key.

> Be careful:
>
> The timing of the timing and the timing of the shutdown have no size, and the whole time period is a cycle

3.1.11 Parameters Management



Parameter import: import the configuration information on the current SD card to the current device.

Parameter export: export all the configuration information of the current device to the SD card.

Save the user settings: save all the configuration information of the current user

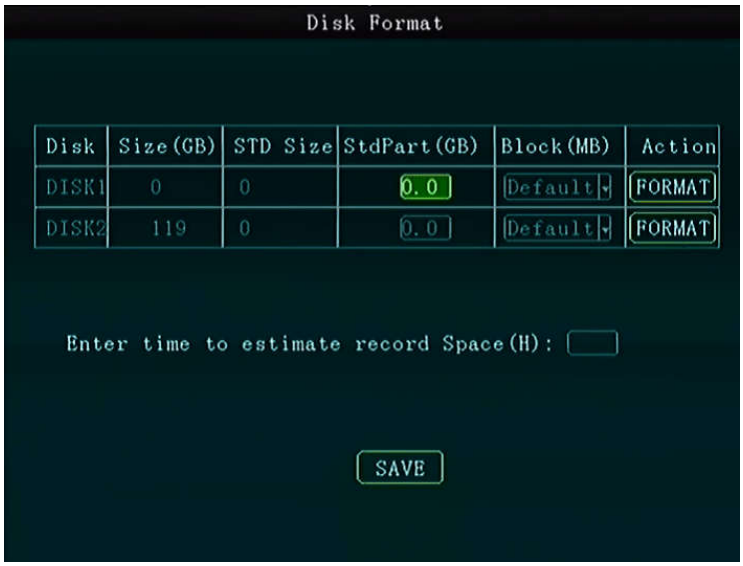
Restore the factory setting: all the parameters of the recovery device are set to the factory default state. This operation will clear all settings for the device

Restore user settings: all parameters of the recovery device are set to the saved user configuration information

Note: when installing a large number of devices, and when each device is set at the same time, please use the import and export configuration, that is, after setting up a device, export the configuration file, and then import it to other devices to achieve the

same configuration of each device.。

3.1.12 Disk Format



Select SD1/SD2 by the direction key
Press the OK button to select the formatting button.

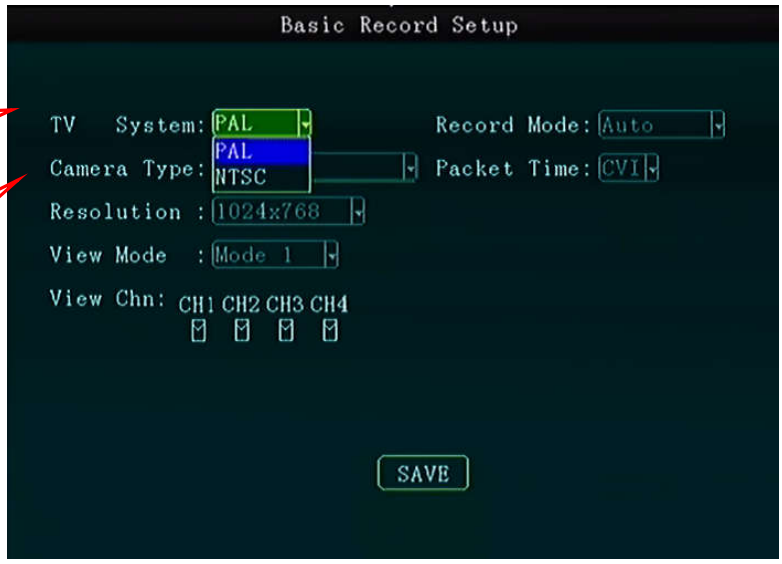
3.1.13 Rec Set Menu

The video setting menu includes six functions: basic setting, main stream, child code stream, timing video, storage setting and information superposition

3.1.14 Basic Record Setup

PAL/NTSC should be selected according to the image of the camera, and the mainframe will be restarted automatically after the system is saved。

4*720P AHD camera, select high definition mode, 4*CVBS analog camera, choose normal mode



Video mode: select the OK key: PAL/NTSC, the system default is PAL

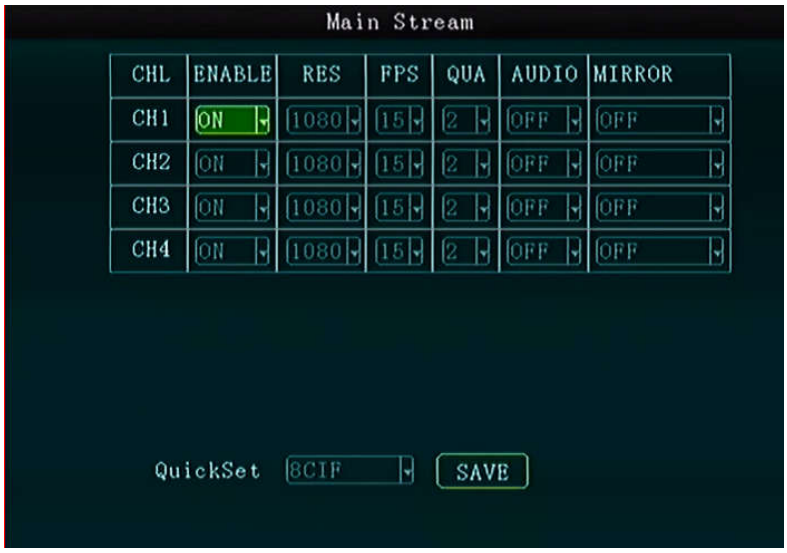
Camera type: select by [OK] key: AHD/CVI/TVI mix。

Length of packaging: select by [OK] key: 5/15/20/25/30, the system default is 5 minutes

Video mode: select "OK" key: boot video / timing video / alarm video, the system default for boot video.Display resolution: select by [OK] key: 720 x 576/1024 x 768/1280 x 720/1920*1080

Screen segmentation: select by [OK] key: double screen / four picture / six picture / nine picture.

Main stream.



Enable: click [OK] key: turn on / off.

Resolution: select [OK] key: D1/HD1/CIF/720/1080

Frame rate: select by [OK] key: 1-25

Picture quality: select [OK] key: 0-7

Recording: click [OK] key: turn on / off

Mirror: click [OK] key: turn on / off

Shortcut: the resolution of all channels can be set at the same time, according to the OK key: D1/HD1/CIF/720P.

Sub stream

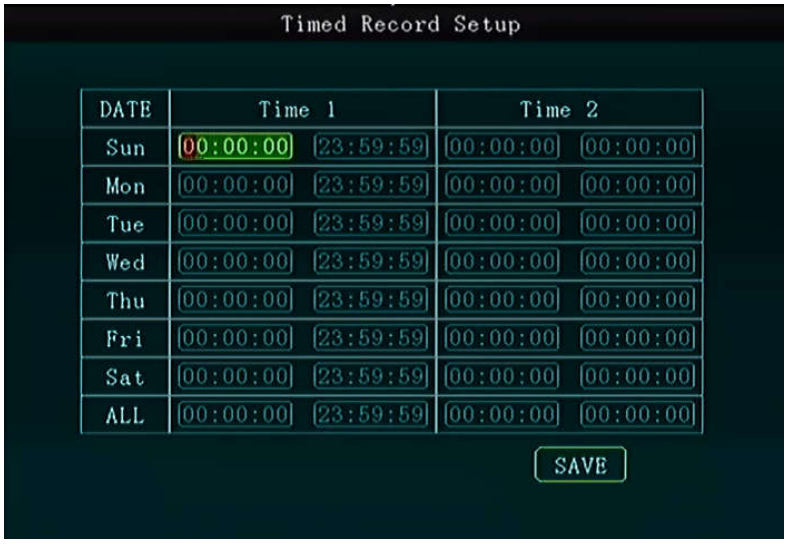
Enter the sub - stream setting interface, its setting is related to the CMS platform to see whether the video is clear and smooth. The higher the resolution and code rate, the clearer the video. The higher the frame rate, the more fluent the video. But the larger the space occupied by the video, the higher the bandwidth requirement. At present, 3G network only supports CIF real-time network transmission, device sub stream can set CIF\HD1\D1

Resolution: select by [OK] key: D1/HD1/CIF

Frame rate: select by [OK] key: 10-25

Picture quality: select [OK] key: 2-7

3.1.15 Timed Record Setup



Set the start time and end time of the timing video, and press the number key.

3.1.16 Storage Set

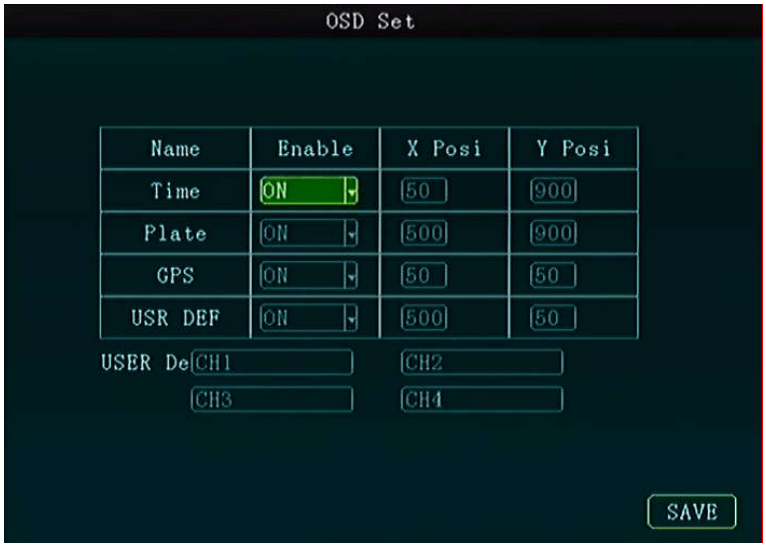
Alarm record: press the number key, 0~60 seconds

Alarm delay: input by digital key, 120~3600 seconds.

Alarm file: set the alarm file save time, press the number key input, 3~45 days.

Disk and use: select [OK] key: no / master video / image video.

3.1.17 OSD Set



Date time: select make energy by OK key: turn on / off, input X coordinates and Y coordinates by digital keys

License plate + channel: according to OK key selection enable: turn on / off, input X coordinates and Y coordinates by digital keys。

GPS: select enable the energy according to the OK key: turn on / off, press the number key to enter the X coordinate and the Y coordinate.

Alarm: select the power according to the OK key: open / close, press the digital key to enter the X coordinate and the Y coordinate.

3.1.18 Network settings

错误！未找到引用源。

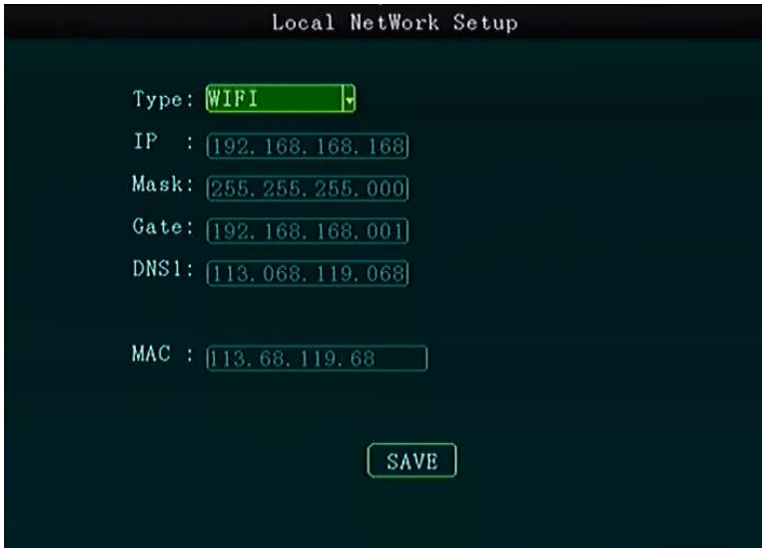
Network setting menu includes four functions: center setting, local setting, dialing setting and WiFi setting.。

3.1.19 Center setting

Center IP: the Internet IP address of the central platform when the device registers the platform

through the 3G or Wifi.。

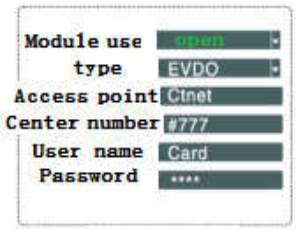
3.1.20 Local settings



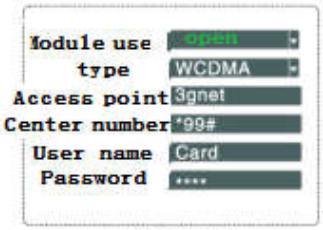
Network use: select according to [OK] key: local network / external WiFi/ peripherals.。

Local network IP: set the IP address of the device, set the same network segment with the central server, set up the mask, the gateway, the MAC address, etc.

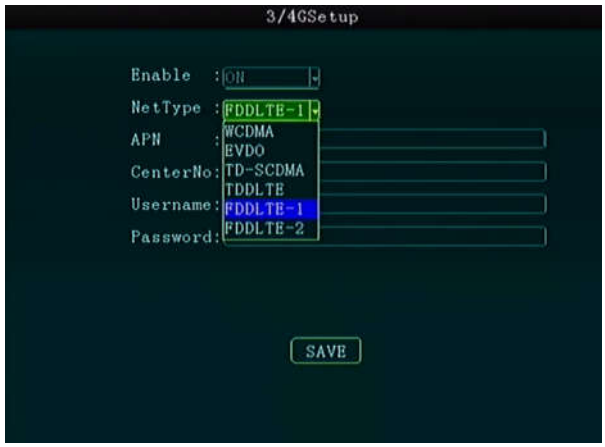
3.1.21 Dialup Settings



EVDO



WCDMA



Enable: click [OK] key: turn on / off。

Type: select by [OK] key: WCDMA/EVDO/TD-SCDMA/TDDLTE/TDDLTE-1/TDDLTE-2。

Access point, center number: enter the keyboard interface according to the OK key, and the mobile cursor selects the corresponding letter input according to the [OK] key.

User name and password: set the user name and password of the wireless business, enter the keyboard interface with the [OK] key, and move the cursor to select the corresponding letter input according to [OK] key

3.1.21 WiFi settings

WIFI enable: select by [OK] key: turn on / off。

Encryption enabled: click [OK] key: turn on / off.

Authentication mode: select by [OK] key: open / share / WPA / WPA-PSK

Encryption type: select by [OK] key: NONE / WEP / TKIP / AES

The SSID, the password, the IP address, the gateway, the mask, and the settings in the router.

Alarm setting

3.1.22 Alarm and peripherals

The alarm and peripherals include IO alarm, speed alarm, acceleration, mobile detection, voltage alarm, serial port management and cloud platform control

3.1.23 IO Call the police

Enable: according to the [OK] button to select: off / emergency / / / back / front door door door / door / the other driver / light / right / left brake lamp / lamp / reverse / custom 1~4

Level: select by [OK] key: high / low。

Delay: input according to the number key

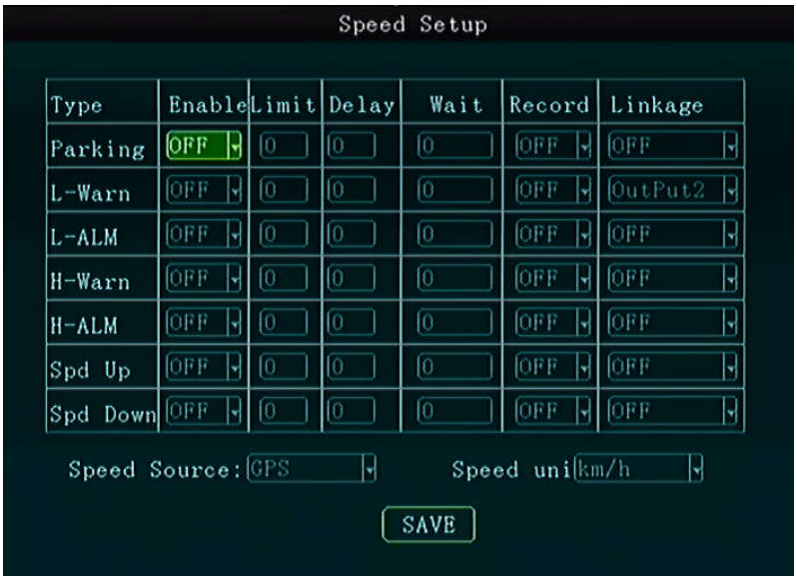
Anti shake: press the number key

Video: click [OK] key: turn on / off

Alarm linkage: select according to [OK] key: output 1/ output 2/ one key dialing / initiating intercom

Preview: select the channel according to the OK key.

3.1.24 Speed alarm.



Enable: click [OK] key: turn on / off.。

Threshold: input by the number key.。

Duration: input by number key。

Video: click [OK] key: turn on / off。

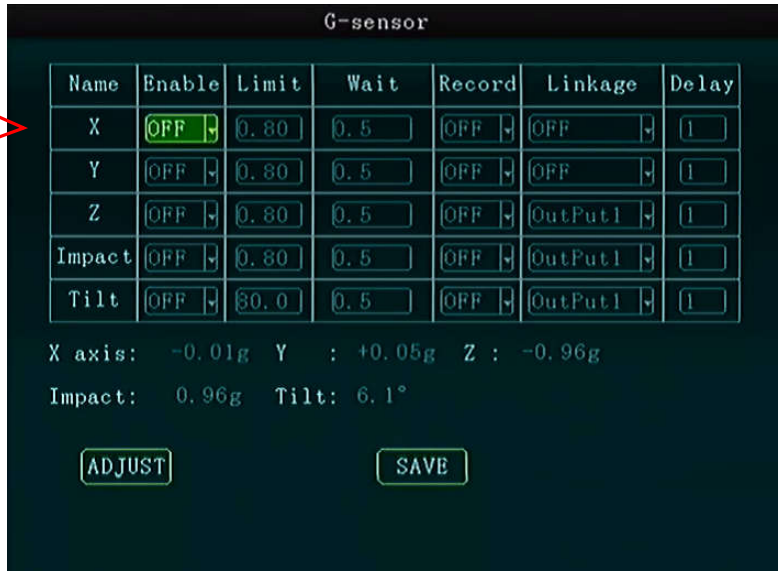
Alarm linkage: select according to [OK] key: turn off / output 1/ output 2.

Speed source: select by [OK] key: GPS/ vehicle / mix.。

Pulse coefficient: the pulse coefficient is calculated by SPEED-A and SPEED-B

3.1.25 acceleration

The acceleration alarm needs to correct the coordinates first, and the vehicle can be stopped at the horizontal ground for the zero calibration. Rollover: refers to the angle of the equipment side turning, the unit is the degree.



Enable: click [OK] key: turn on / off

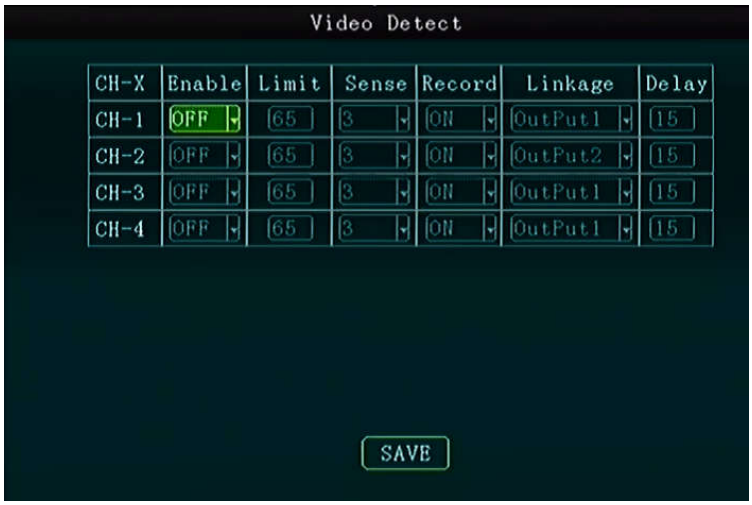
Threshold value: input by the number key.

Duration: input by the number key.

Video: click [OK] key: turn on / off。

Alarm linkage: select according to [OK] key: turn off / output 1/ output 2

3.1.26 Video detection



Enable: click [OK] key: turn on / off.。

Threshold value: input by the number key.。

Sensitivity: click [OK] key: 0~7。

Alarm linkage: click [OK] key: turn off / output 1/ output 2

3.1.27 Voltage alarm

Enable: click [OK] key: turn on / off。

Threshold value: input by the number key.。

Duration: input by the number key.

Alarm linkage: select according to [OK] key: turn off / output 1/ output 2。

3.1.28 Serial port management

Peripherals: select by [OK] key: close / pass / Cloud。

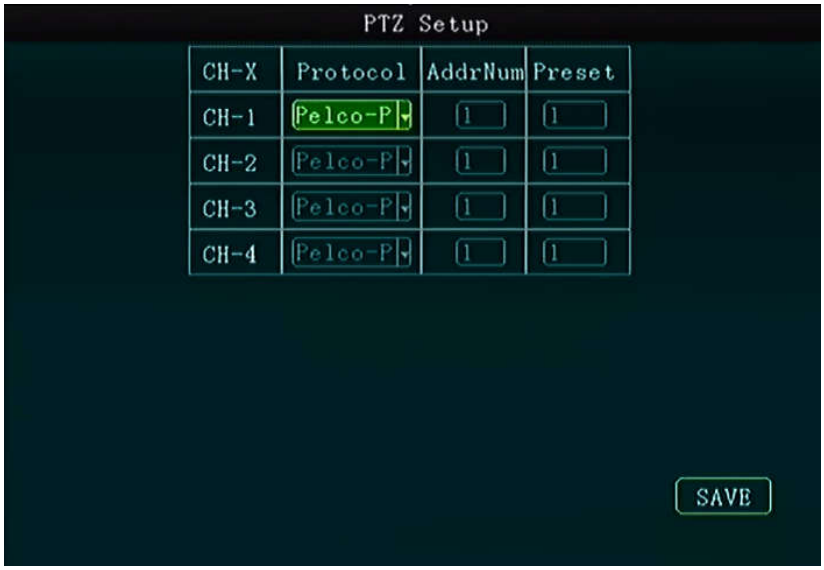
Baud rate: select the OK key：600/1200/1800/2400/4800/9600/19200/38400/57600/115200。

Data bit: select by [OK] key：6/7/8。

Stop bit: click [OK] key：1/1.5/2。

Check bit: select by [OK] key：Even/Odd/None/Mark/Space。

3.1.29 Cloud platform control

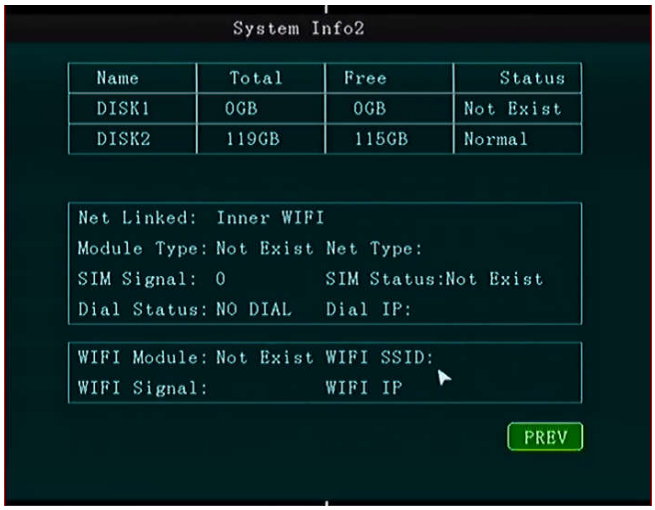


Protocol type：**Pelco-D/Pelco-P**。

Address code: input by digital key

Preset bit: input by digital key

3.1.30 system information



Appendix 1:MDVR common problems and treatment

Q: what should a product do when it comes up with a problem that you can't handle?

Answer: record the product model and software version number and submit detailed description to our technical support engineer for analysis. The more detailed you describe, the more convenient we can analyze and deal with

Q: what do you do when the car host equipment does not have video output?

Answer:

1. check the boot status of the host. If only a blue indicator light is on, it means that the host is still in standby mode, and it doesn't turn on. At the same time, it is checked whether the red and yellow lines of the main power supply is normal. If only one line is supplied, then the host will not be able to start.

2:Check whether the display screen is powered, and whether the display video is switched to the AV state.。

3. check the connection status of the host video output line and the display.。

4. check the locking status of the host lock to ensure the lockout of the lock.

Q: what do you do when the host video input interface and the camera input interface are different?

Answer: the 4 pin interface is used for the vehicle host, and the camera is the BNC interface or the aviation head type. If it is not consistent, please connect with the switch connector or define the line docking with the standard docking with the car host sequence

Q: the equipment is started and the hard disk has been installed, but what do you do without video?

Answer:

1. check whether the hard disk has been formatted after installation, the UN formatted hard disk can not be used. Enter the main menu - the management tool - formatting, formatting the new hard disk once

2. whether the video channel is closed, or whether the timing video is set, and no video time is no longer in the video

3. check whether the hard disk is in good contact, the front panel HDD and so on。

Q: a video file is lost, or there is no video file for a certain period of time?

Answer:

1. by analyzing the time period determined in the first video file after the loss and recovery

of the final video file.

2. confirm whether the host has not opened the machine during that time, such as the mainframe of the dead machine, loading and unloading, and other hosts did not set the delay video.

Question: the vehicle mounted cloud platform can't control, can't turn up and down?

Answer: whether the agreement of the cloud platform and the baud rate is set correctly, does the address correspond to it, and whether the channel's video is selected to be maximized when the cloud is controlled. For example, control the second channel, which must be controlled by maximizing the second channel image to the screen.

GPS Related issues

Q: the GPS module exists but has no coordinate information?

Answer: 1. check whether the GPS module exists, if the GPS module does not exist, please check whether the hard disk is installed or in good contact.

2. confirm whether the GPS antenna is in good contact, whether the antenna is broken or not, it is suggested that the antenna be placed in a strong signal, and the glass shield film of some cars will set up a GPS signal.

3. if the test is in the room, the GPS antenna is in the room, the signal is shielded, it is suggested that the GPS antenna is placed and outdoors

Q: is there a deviation in the geographic location of GPS in the map mountain?

Answer: if the GPS module has said positioning signal effectively, a lot of problems cause deviation, government restrictions, error and GPS signal interruption; the actual satellite map for security reasons is the deviation, the general map using GPS correction can solve the problem.

3G/4G Wireless module related issues

Q: if you dial the 3G wireless module, what do you need to pay attention to?

Answer: 1., select the built-in wireless module WCDMA or EVDO, the corresponding module settings are different, different models support different modules, so please confirm whether your module corresponds to SIM. Do not use the WCDMA's machine to use the telecom SIM card

2. server IP and port settings are correct, 3G/4G signal intensity is sufficient dialing, query whether 3G/4G is dialing successfully

3. when dialing is not successful, please check whether the 3G/4G antenna is in good contact. The signal is very weak and can not dial the number; in addition, the SIM card is querying whether there is enough traffic, if there is no traffic, dialing will not succeed.

Question: what is the first thing to do with 3G/4G without a video?

Answer: according to the INFO key into the system information page, see whether the SIM card exists and the signal is strong and weak and dialing state, whether the antenna is in good contact. Then check whether the SIM card has no traffic, the replacement of a SIM card to judge, this is the most basic judgment. If you have a signal but don't dial the number, see if the center number and port are set correctly. See if the device number of the product has been occupied.

Q: 3G/4G signal on the video card?

Answer: the current signal coverage of WCDMA and EVDO is wide (4G coverage is not comprehensive). Signal coverage to the situation existing in some mountainous areas, some suburban areas due to various parts of the network control signal is weak, this time will be watching the video card or not to see the video, the local network impact is relatively large; the second view frame sub code set flow is too high, in the network poor state and frame rate is set high, the video may also appear in this situation

Q: the WIFI signal has more than -60db but is not connected to it?

Answer: if your WIFI is set correctly, it is not a problem for the general situation signal to reach more than -60db connection. If the host is not found in the LAN, you need to check if your SSID and password are set up. Of course, the basic IP address must also be set up. Otherwise, let's see if the encryption type and authentication mode are set according to the requirements.

CMS related problems

Q: the device has been started, but can't see the vehicle and video on the CMS client?

Answer: first confirm the center of the registration server is open and in the network, in view the host device number is already occupied by conflict; secondly the view server IP and port is set correctly; equipment is through the built-in 3G module, or through the WIFI reporting center, if you choose to see the built-in 3G types, please check the 3G module choice is correct,

such as WCDMA and EVDO modules to the corresponding SIM card support, check whether the antenna contact and data center number, access point settings are correct, the final is still not, please collect as much as possible the information submitted to the technical support staff analysis, more data submitted, more convenient technical personnel to solve the problem

Q: the device is online, but you can't see the video image?

Answer: please set the sub stream transmission image is low, when the code rate set by the network upload limit being blocked or transmission speed is very high; the network signal is not good or intermittent will seriously affect the video transmission.

Q: the equipment is normally reported on CMS and can't see the video after a period of time. Answer: whether the first check the host terminal information display dial, if have dial-up state, there may be a SIM card flow has been used to replace the SIM card for testing; then check the host device number is crash tampered with, modify the host device number be submitted again add vehicle information; thirdly, 3G card module no need to check whether the host state is faulty.