

3.4 Device Installation Guide

3.4.1 Unpack and check accessories

After unpacking, please check the device for damage or deformation. If there are, please do not install the device and get in touch with the supplier. In the product box there is a packing list. Please cross check this list with the device and its accompanying accessories.

Item	Quantity	Notes
MS-580 host	1	
Remote control	1	
7 " digital LCD monitor	1	optional
Manual	1	
Disk	1	
Extension cable 5m	1	optional
Extension cable 15m	1	optional
Extension cable 20m	1	optional
Screw for HDD enclosure	4	Size: PWM: 3*12
GPS antenna	1	optional
3G antenna	1	optional

Table 6: Packing list

Definition of AV cable: red wire is 12V positive pole, black is GND negative pole, yellow is video cable, green is audio cable.

3.4.2 Installation instructions of SD card, HDD enclosure, shell and stand

SD card connector is on the mainboard, so SD card can be inserted from the front of the mainframe.The SD card should be pressed into SD card port （pay attention to positive and negative side when you insert a SD card, negative side should be downward).

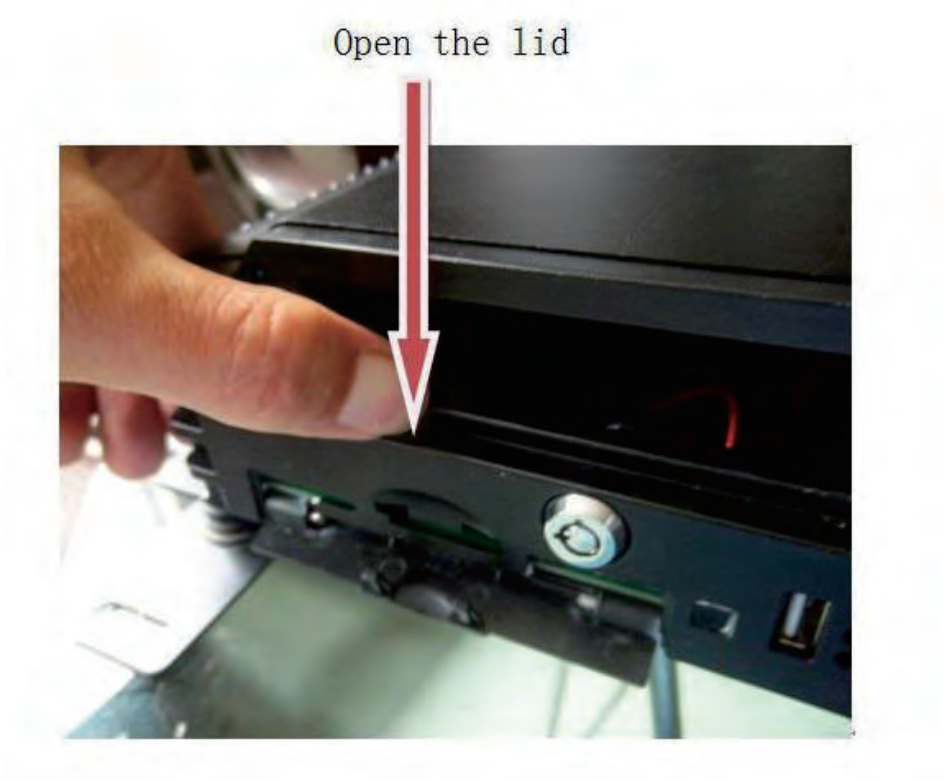
1. SD card installation instruction

Step one: Unlock the HDD enclosure with key, then draw out the HDD enclosure



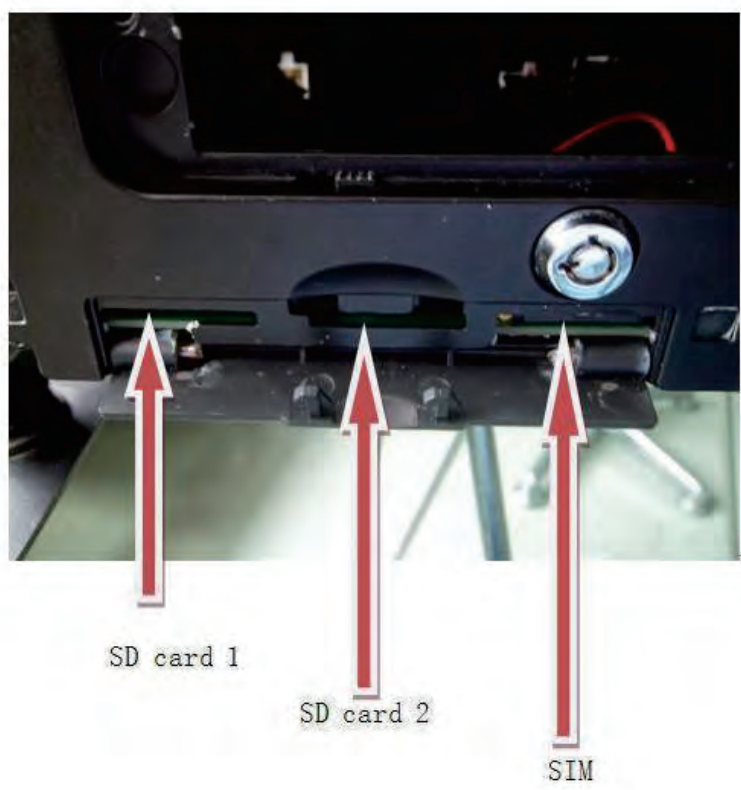
Picture 9: SD card installation image 1

Step two: Open the lid by turning the snap switch as the picture shows to the left



Picture 10: SD card installation image 2

Step three: Open the lid, then you can see the three card slots as shown below



Picture 11: SD card installation image 3

2. HDD enclosure installation instruction

Step one: Loosen the two screws on both sides of the HDD enclosure with screwdriver



Picture 12: HDD enclosure installation image 1

Step two: Draw the HDD enclosure from the end with plug



Picture 13: HDD enclosure installation image 2

Step three: Place HDD into the enclosure properly, then tighten the four screws with moderate force(Note: Too strong force is not allowed or else HDD will be damaged.)



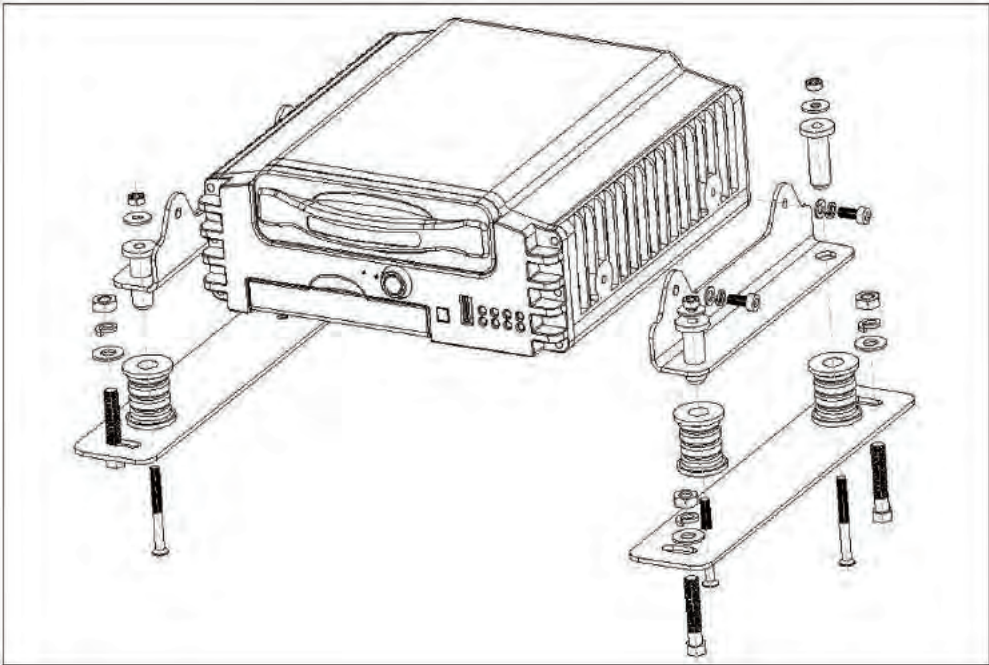
Picture 14: HDD enclosure installation image 3

Step four: Insert the plug of the HDD enclosure with moderate force then recover the enclosure for use



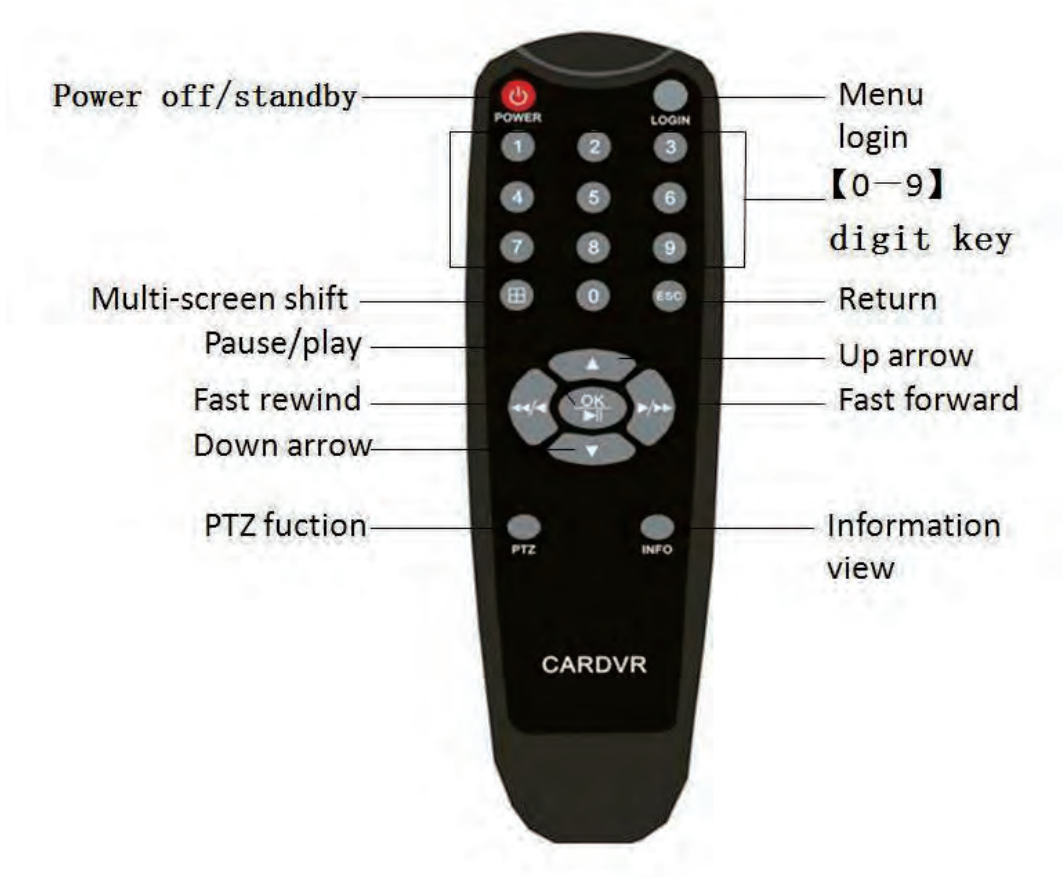
Picture 15: HDD enclosure installation image 4

3. Shell and stand installation diagram



Picture 16

4 Remote control instruction



Picture 17: Remote control

4.1 Buttons of remote control

There is no control button on MDVR front panel, you will need use the remote control for operating.

Key-press and function as below:

1. Digit key zone

【0—9】 key: Under setting, used for selecting digit. During playback and preview, 1,2,3 and 4 are for the switch of the channels

2. Menu navigation setting

▲, ▼: Up and down arrow keys

◀, ▶: left and right arrow keys

3. Other function keys are as below:

 Power off/standby	Press POWER, the machine will power off (software power-off key) or stand by in the preview mode
 LOGIN	Press LOGIN and input the password if a password is set; Do remember your password because the device has no reset function Pressing LOGIN, you can enter the main page without password if no password is set.
 INFO	Information check; press to fast check configuration information of other modules such as GPS, 3G ,etc.
 key Digit keys 1,2,3,4	Switch between 1-channel and 4-channel version. Press it, 4 channels show. To Press digit keys 1, 2, 3 and 4 can separately switch to CH1,CH2,CH3 and CH4.
 PAUSE/STEP	When playback recording, press STEP, it plays one step at a time; press PAUSE, it stops. Press PLAY key, then it normally plays.
 PLAY	Play key(when PAUSE, it will show still image)
 FWD	The fast forward key for recording playback, 4 grades:2X, 4X, 8X, 16X
 REW	The fast rewind key for recording playback, 4 grades:2X, 4X, 8X, 16X
 NEXT	slow play key for recording playback, 3 grades:1/2, 1/4, 1/8;
 PTZ	PTZ function(depends to product model)

Table 7: Other keys on remote control

4.2 Software keyboard input

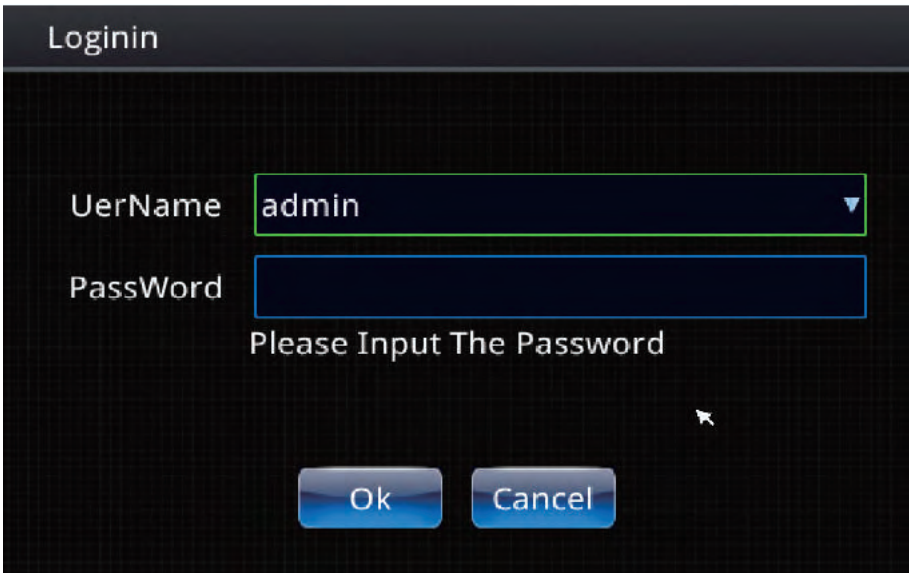
System can input characters, including number,uppercase/lowercase English letters and Chinese characters, Chinese characters with pinyin input method.



Picture 18: Input method interface

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5.1 Users' login



Picture 19: login interface



Picture 20: Main menu

5.2 Directly preview interface



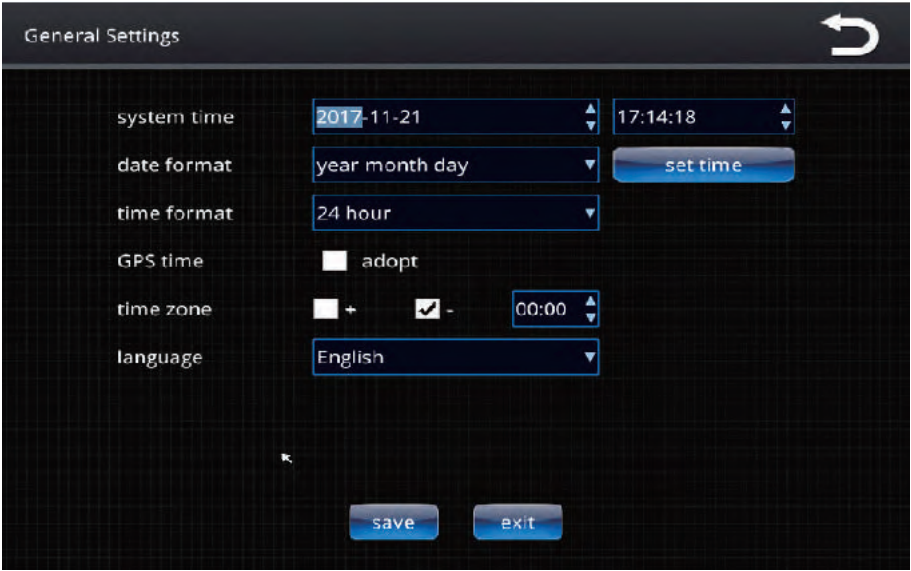
Picture 21: Directly preview interface

5.3 System setting



Picture 22: System setting

5.3.1 General setting



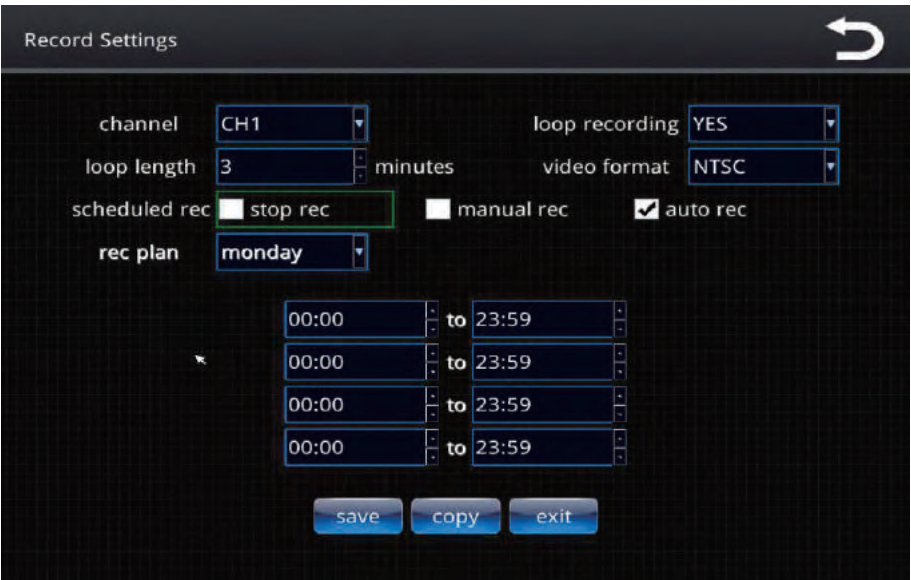
Picture 23: General setting

5.3.2 Video setting



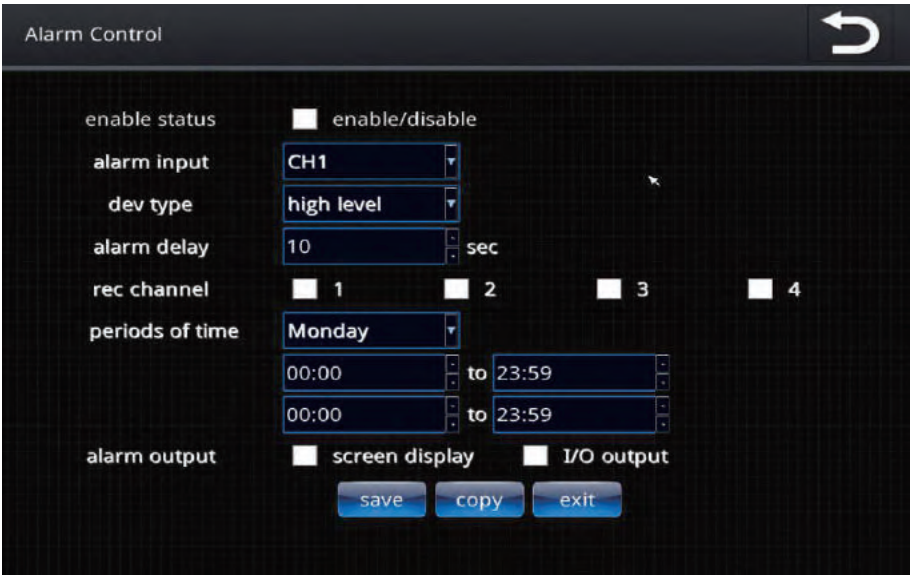
Picture 24: Video setting

5.3.3 Record setting



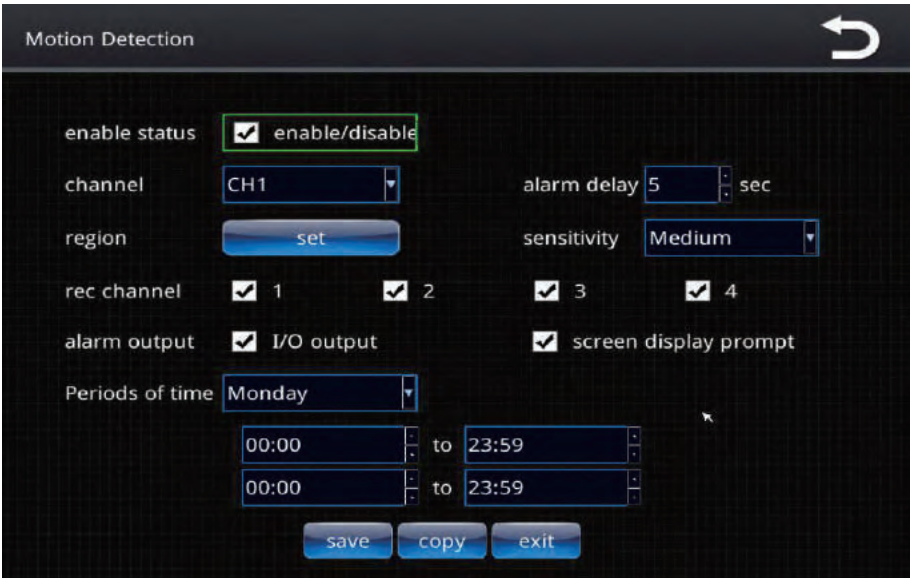
Picture 25: Record setting

5.3.4 Alarm control



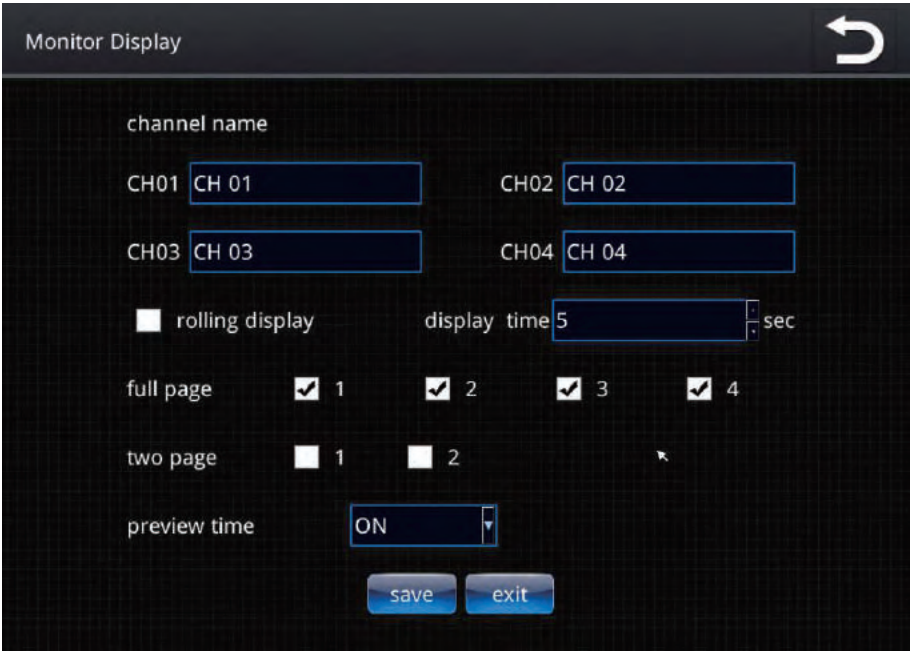
Picture 26: Alarm control

5.3.5 Motion detection



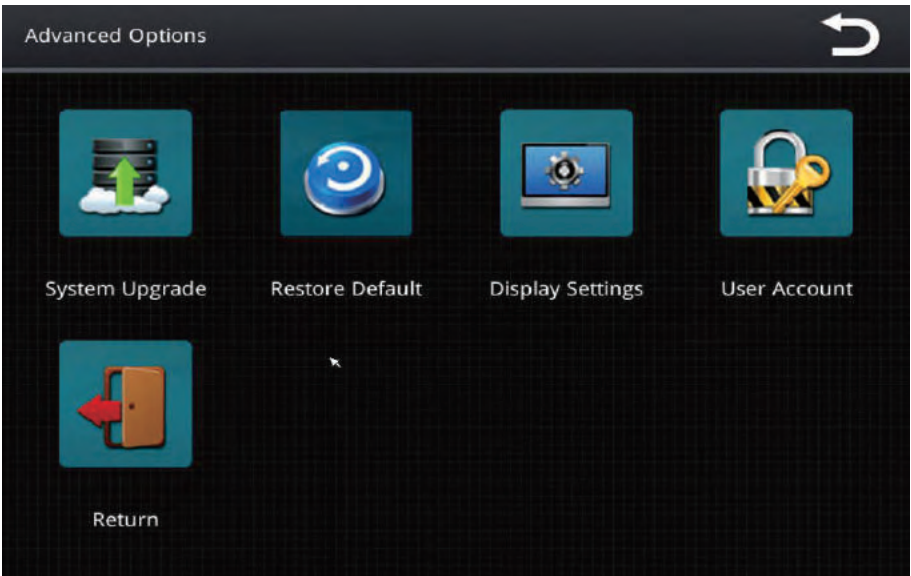
Picture 27: Motion detection

5.3.6 Monitor display



Picture 28: Monitor display

5.4 Advanced options



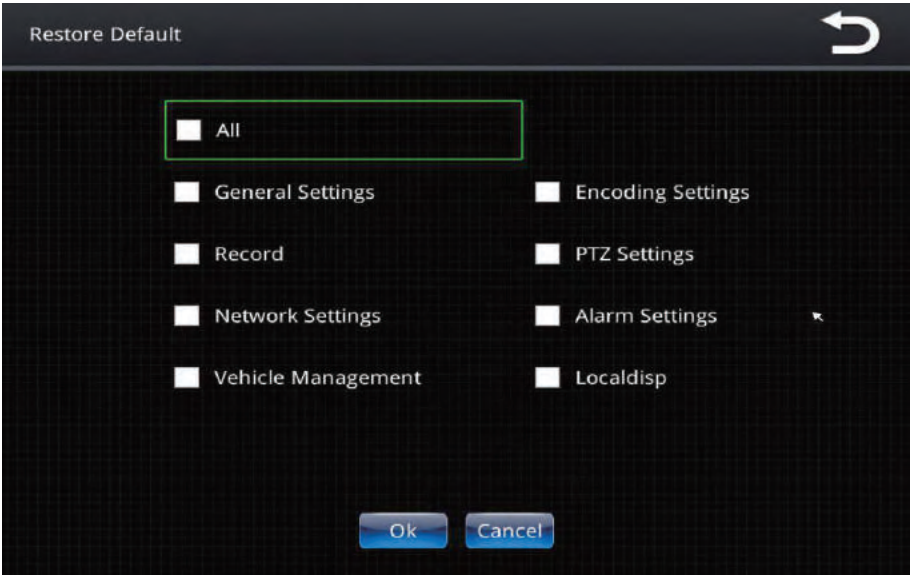
Picture 29: Advanced options

5.4.1 System upgrade



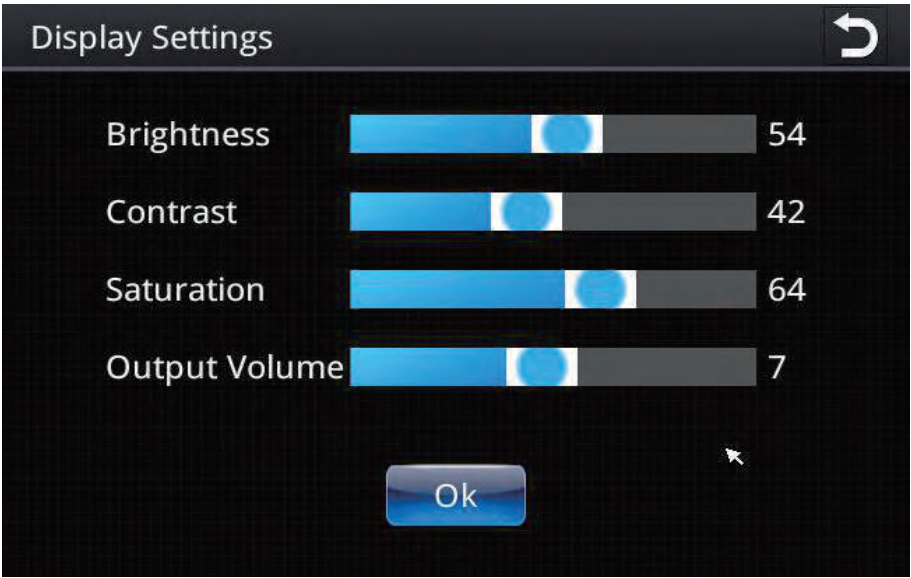
Picture 30: System upgrade

5.4.2 Restore default



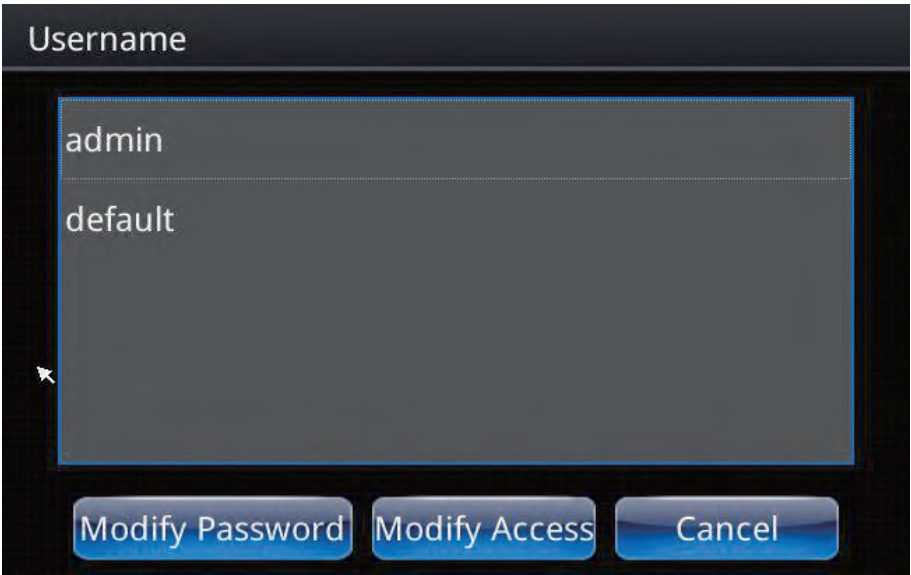
Picture 31: Restore default

5.4.3 Display settings



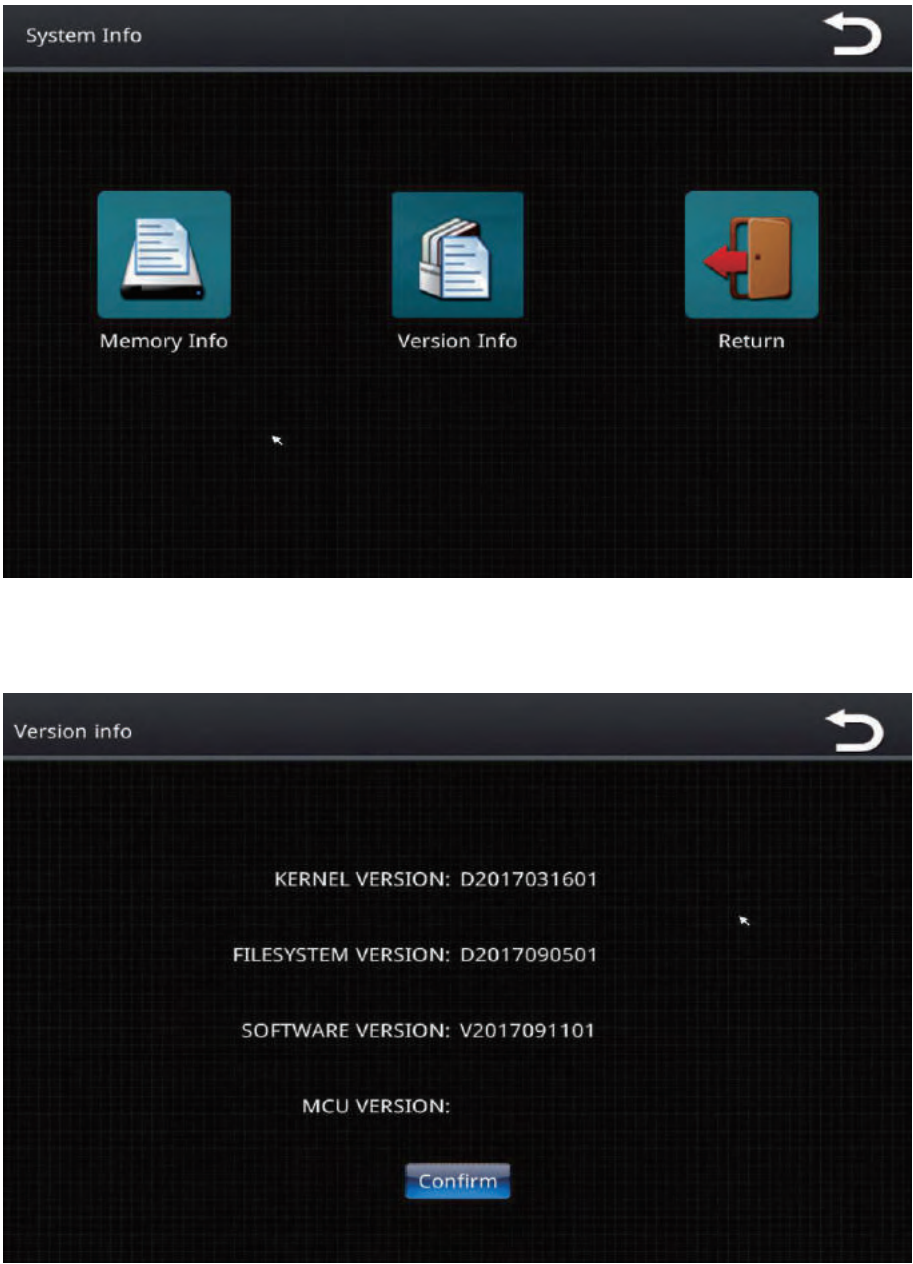
Picture 32: Display settings

5.4.4 Username



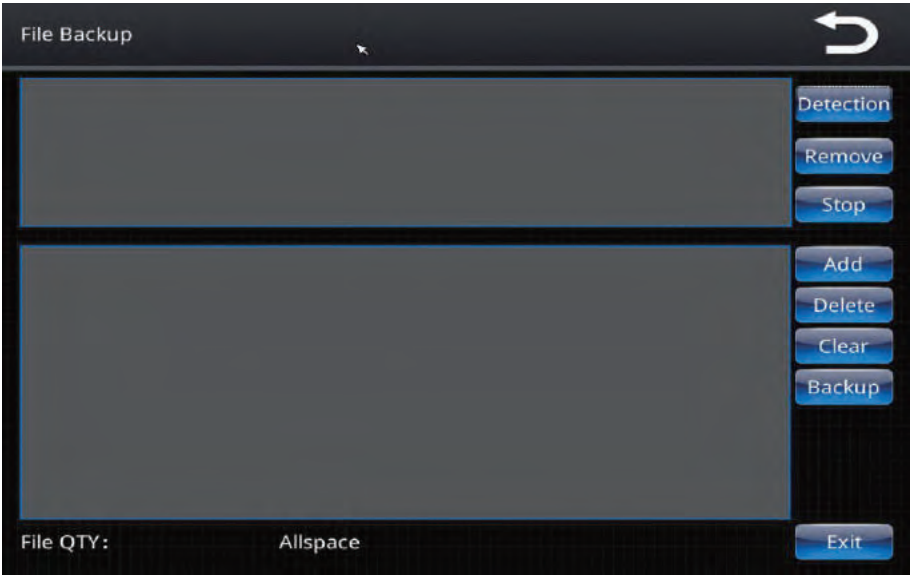
Picture 33: Username

5.5 System information



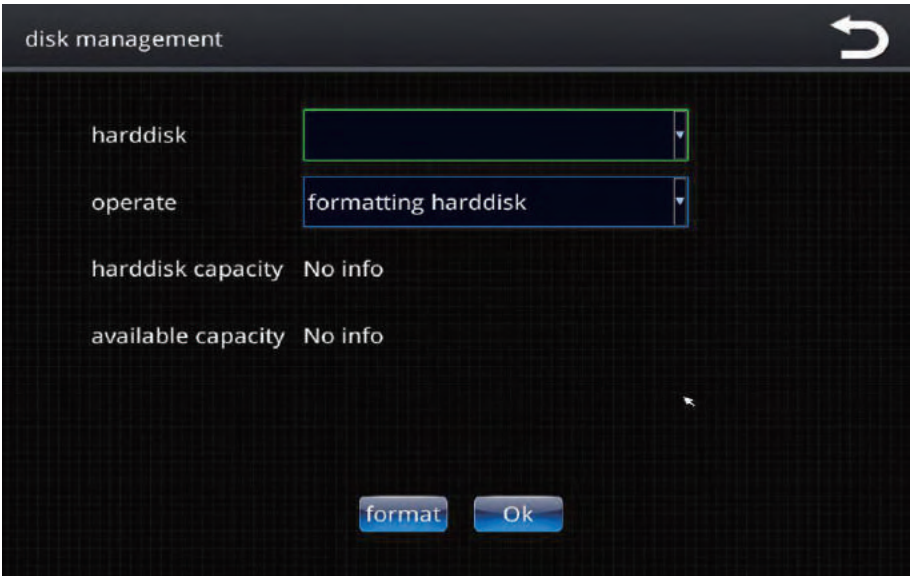
Picture 34: System information

5.6 File backup



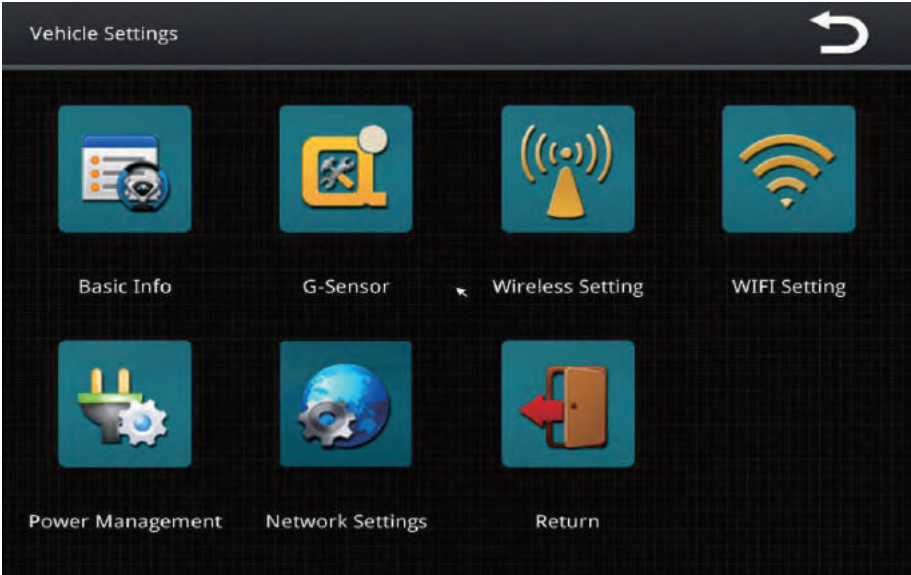
Picture 35: File backup

5.7 Disk management



Picture 36: Disk management

5.8 Vehicle settings



Picture 37: Vehicle settings

5.8.1 Basic Info.

Basic Info

Vehicle Number

vehicle

Company Name

companynname

License Number

license

Driver's Name

drivername

Line Number

lineNu

Save

Exit

Picture 38: Basic Info.

5.8.2 G-sensor

G-Sensor

Name

Switch

Threshold

Video

X

OFF

Low

OFF

Y

OFF

Low

OFF

Z

OFF

Low

OFF

status

X= 0.00

Y= 0.00

Z= 0.00

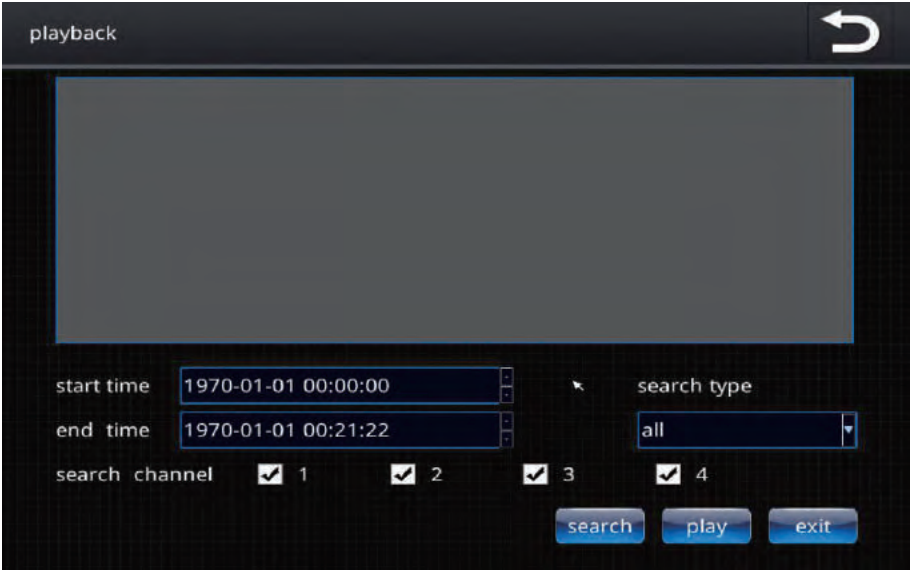
calibrate

save

exit

Picture 39: G-sensor

5.9 Playback



Picture 40: Playback

6 FAQ

Frequently asked questions

1 The monitor shows the time but no video, and the picture is black.

Check

(1) whether the video signal cable and power cable of camera are properly connected, and camera is working normally.

(2) whether the preview switch of display setting is off or not.

2 When the machine starts up with an SD card in, it can't record.

(1) Please confirm that the SD card is good and has been formatted in the machine; (2) Reinsert the SD card, the process of inserting should be easy, ensure insert is in place before starting up.

3 Displayed video picture freezes-frame on monitor does not change.

MDVR may be interfered and system is error. Please turn off MDVR and restart it.

4 When MDVR works it stops recording suddenly and comes back to standby status.

Check

(1) whether the contact of SD card is poor;

(2) whether connection of MDVR's power supply is reliable.

5 Recorded video files can't play on computer.

Confirm that the computer has installed video player software of our company.

6 Playing video files on computer has obvious halt.

Please confirm high-speed SD card is used.

7 Recording time obviously becomes short.

Excessive file fragments generate due to repeated usage. Please format the SD card completely before reuse.

8 Time on MDVR is incorrect.

(1) You may set the wrong time or did not press the "confirm" after you modified the time.

(2) If the battery has a poor contact and uses too long please replace it.

9 Video playback has no voice.

(1) Microphone is not connected and MDVR does not record voice;

(2) The "Audio" option of record setup is set to OFF.

(3) The playback interface is set mute.

10 Mobile Detection does not work.

(1) The moving object is not in detection area.

(2) The sensitivity is set too low.

11 Remote control does not work well.

(1) Remote distance is too long or angle is deviated.

(2) The battery uses too long and needs to change.

(3) Remote control or front panel of MDVR is damaged.

12 There is no video output or signal distortion occurs.

Check

(1) whether the power cable connecting camera is loose;

(2) whether the video cable of MDVR is loose;

(3) whether the camera is damaged.

(4) whether video source and display device are well connected.

(5) whether the format selection between PAL and NTSC is wrong.

13 Alarm I/O does not work.

(1) Alarm is set wrong.

(2) The connection of alarm is wrong.

(3) The input signal of alarm is wrong.

14 MDVR does not delay shutting down under the ignition mode

- (1) You did not set the delay time.
- (2) You did not restart the video recorder after you set the delay time.

15 Why PTZ is out of control?

- (1) The connection of RS-485 is wrong.
- (2) the type of PTZ is incorrect.
- (3) Baud rate of PTZ is set wrong.
- (4) The address of PTZ is set wrong.
- (5) The interface of RS-485 on mainboard is bad.

16 How much disk capacity does one hour's video take up?

- (1) Audio of each channel takes up roughly 14M per hour
- (2) Video takes up roughly 00~220M(CIF),200~300M(HD1)and 400~600M (D1) per hour
- (3) The size of disk space occupied is determined by the resolution, bit rate, frame rate and picture quality. You can enter video setup to adjust these settings. Of course ,the higher the definition is, the more clear the picture is and the larger the disk space needed will be.

WARNING: If the product has functional upgrades the instructions are subject to change without notice. Our company reserves the right to explain about the product.

The manual's version: V1.3

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation

Industry Canada Notice

This device complies with Industry Canada licence-exempt RSS standard(s).

1. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device."

2.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Avis d'Industrie Canada Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. Cet appareil numérique ne dépasse pas les Rèlements sur l'interférence radio par un appareil numérique de classe B stipulées dans les Règlement sur l'interférence radio d'industrie Canada