

User Manual

Applicable model: Universal Type

Applicable products: (AI) MDVR

Version number.: V1.1



Edition	Date	Explanation
V1.0	2023-1-13	This instruction is applicable to equipment shipped after 2023-1-13
V1.1	2025-12-26	This instruction is applicable to equipment shipped after 2023-1-13

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Explanation

Please pay attention to the following points when reading this manual:

- The user manual is universal. Due to different product models, the supported features vary, the interface display will be different. There is basically no difference in the usage mode, please configure the parameters of the product according to the device with this user manual.
- Some functions in this manual are customized functions, if you need to use this function, it needs to be informed in advance, or you can update the firmware version of the product.

1. Right-click Menu

After the equipment is powered on, please connect the CVBS or VGA monitor, insert the mouse into the front panel of the device, click right to display the user login interface. After confirming that the user name and password are correct, click OK to log in.

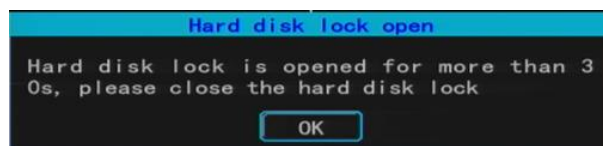


User name: The default is admin, it has administrator privilege

Password: The default password is blank

Language: Language support Simplified Chinese plus English, if another language is required, please set it at the factory

Your attention please: If the menu shows “unlocked” in the upper right corner, and will be a prompt after 30 seconds, please use the key delivered with the machine to lock the device, otherwise the device will not be able to connect to the Internet and record videos.



Right-click again, the following menu appears:



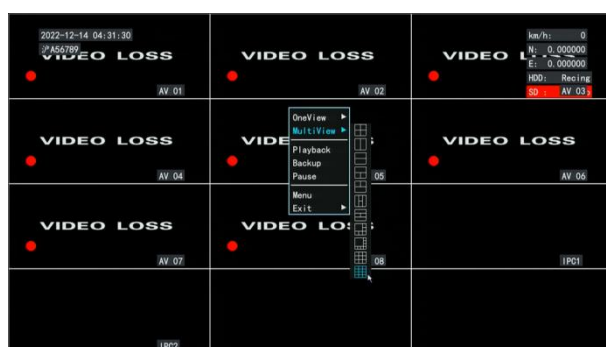
1.1 One view



Select the corresponding channel, it will be displayed in full screen, the original picture will be restored after restarting

Notice: Different products display different menu interfaces, please refer to the actual product purchased

1.2 Multi view



The display mode of the display screen can be changed. Up to 12 screens can be displayed, and at least two screens (AV01 and AV02) can be displayed. After the device is restarted, it will be restored to the screen display before selecting multiple screens. If you want to keep the required multi-screen display after the device is restarted, please go to the [main menu - Basic Settings - Preview Settings](#) to set.

Notice: Different products display different menu interfaces, Please refer to the actual product purchased

1.3 Video playback

As shown in the following figure, the yellow background means that there is a video on that day, Click the corresponding date to playback the video, the playback time can be precisely selected on the timeline below



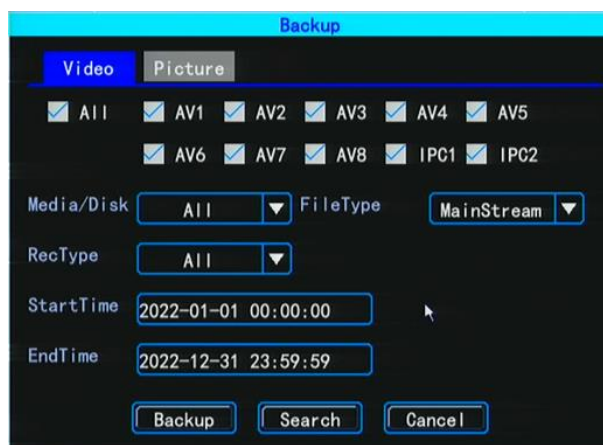
Storage Media: HDD or SD card, all is selected by default

Rec Type: Normal video or alarm video, all is selected by default

Click the left and right arrows “”, you can view the video of AV5~V8

1.4 Backup

1.4.1 Video backup



AV1-8: Select the channel that needs to be backed up, all are selected by default

Media/Disk: HDD or SD card, all is selected by default

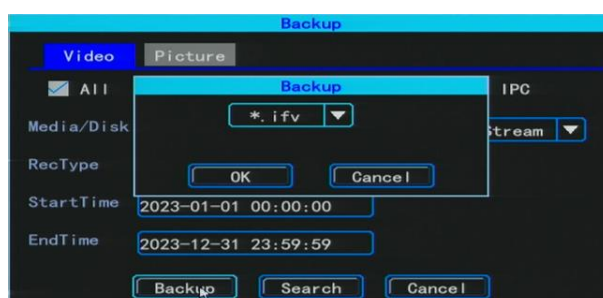
Rec Type: Normal video or alarm video, all is selected by default

File type: Main code stream or sub code stream can be selected, the default is Main Stream

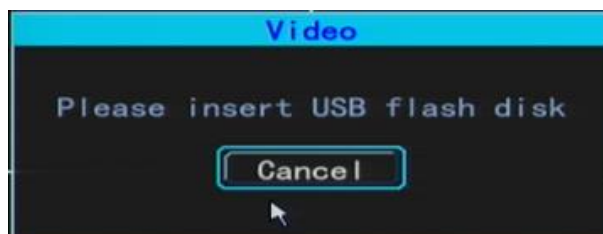
Start Time: The start time of the backup recording is required

End Time: End time of the backup recording required

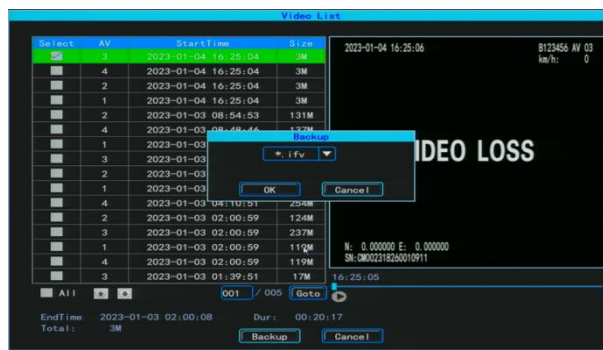
After setting the conditions for the backup, after clicking the backup button replace the mouse with a USB flash drive, the device will automatically copy the video file to the USB flash drive, supports AVI and IFV backup, IFV format is an encrypted file, you need a dedicated player to play it.



After the OK button a prompt will appear “Please insert USB disk”, pull out the mouse and insert the USB flash drive (The USB flash drive must be in FAT32 format), the device will automatically back up the video file to the USB flash drive.

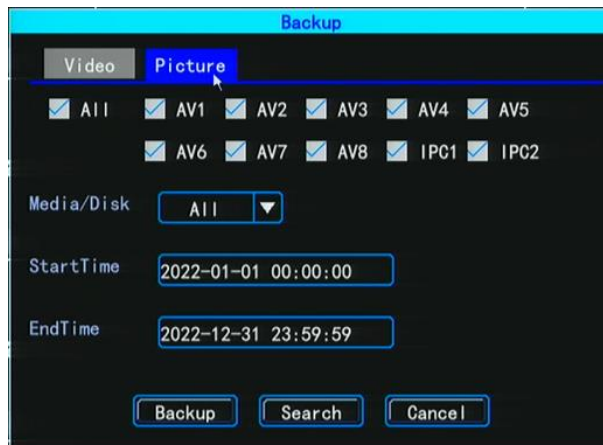


Click the Search button, a list of video file can be searched. In the list you can select the files you want to back up separately, click the Backup button after selection, after clicking the OK button proceed to the next step according to the prompt.



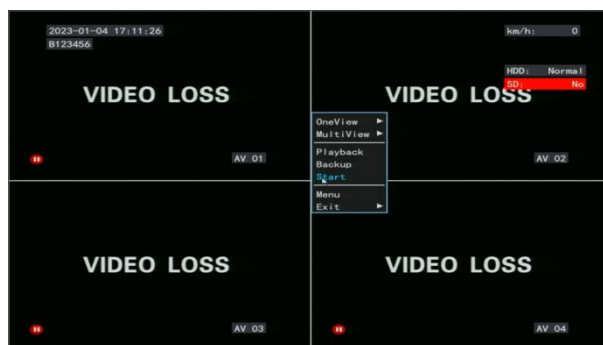
1.4.2 Picture backup

Refer to the video backup for operation



1.5 Video pause

Click Pause, the device pauses the video recording, the red dot in the screen will change to a pause symbol, the stand-alone start button or restart the device will restore the video recording.



: This status indicates that the device is not recording

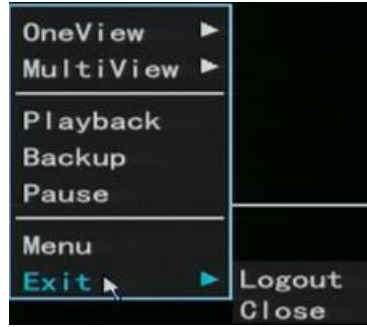


: The video recording is normal at this time

1.6 Menu

Enter the main menu setting interface

1.7 Exit



1.7.1 Logout

Click the “Logout”, the device will logged out, you need to log in again to enter the main menu.

1.7.2 Close

Click the close, if the vehicle ACC is not turned off at this time, the device will restart. If the vehicle ACC is turned off, the equipment will be turned off and wait for the vehicle to turn on the key next time (ACC is turned on).

2. Menu

The menu interface includes: Basic-Network-Record-Advanced-Maintain-Alarm-Wizard



2.1 Wizard

Click the wizard, quick configuration is possible

2.1.1 Vehi Info



Device ID: The default ID is 12 digits, as the unique ID must be consistent with the ID added by the platform when connecting to the cmsv6 dedicated protocol platform

JT ID: The default ID is 11 digits, you need to add a 12 digit ID on the CMSV6 platform as the unique ID when connecting to the cmsv6 JT808 protocol platform. The first digit of the ID must be 0 (013611630103), otherwise it cannot be connected to the CMS V6 platform

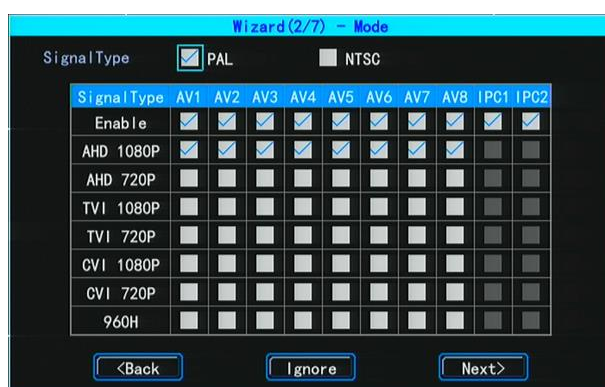
Bus No: Defaults to B12 34 56, modify according to the real license plate number

: Click this button to switch the input method

After setting, click "Next". If no modification is needed, click "Ignore".

2.1.2 Mode

Please set it according to the resolution of the camera, if the mode is not set correctly the image will not be displayed properly (The number of channels and the resolution format are subject to the actual product purchased)



The camera can only be used normally if Enable is checked (Please do not enable unused channels, otherwise a video loss alarm will be sent to the platform)

After setting, click “Next”. If no modification is needed, click “Ignore”.

2.1.3 Disk Manage



The current interface can view the status capacity information of the hard disk and SD card, if you need to format the disk, click the Format button.

Click Next to set 3G/4G parameters.

2.1.4 3G/4G

The device will detect the 3G/4G Module Type automatically. Please insert the right SIM card which corresponding with the Module Type detected. Please consult your SIM card carrier or search on internet to make sure you put the correct parameters (Dial Number, APN, User Name, Password), if you use VPN, please consult your telecom carrier to get the correct parameters.



Enable: The 3G 4G function can be used normally only after it is enabled (If there is no license or the module type cannot be obtained, the 4G communication function cannot be used)

After setting, click “Next”. If no modification is needed, click “Ignore”.

2.1.5 WIFI Setting List

Device Supports 6 groups of WIFI

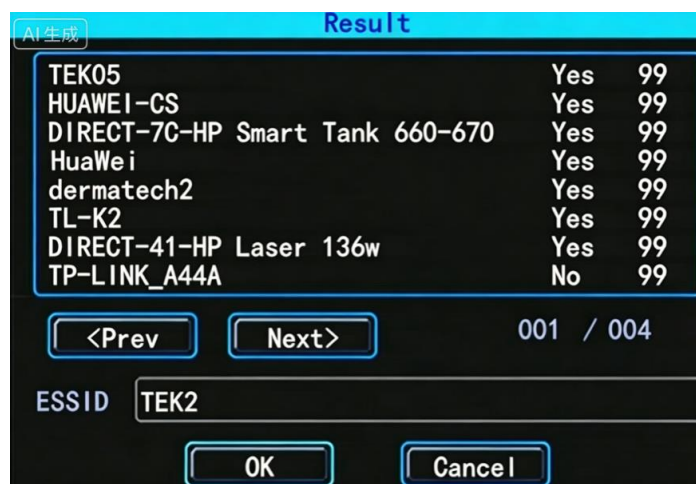
Enable: The WIFI function can be used normally only after it is enabled (If there is no license or the module type cannot be obtained, the WIFI function will not work properly),



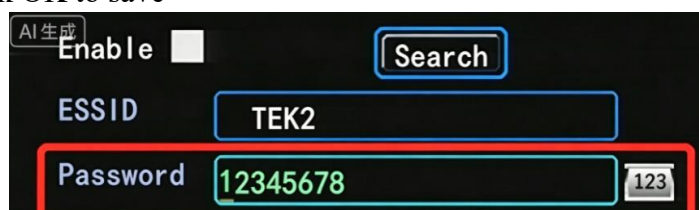
Click the corresponding serial number to enter the WIFI setting interface



Click the search button to search, you can see valid WIFI in the search results, select the WIFI to be connected and click OK.



Enter the password and click OK to save



After setting, click “Next”. If no modification is needed, click “Ignore”.

2.1.6 Server

If you use the CMSV6 special protocol to connect to the platform, set the IP and port in this menu.



Mode: Support IP connection or domain name connection (If there is no license, the side cannot connect to the platform using CMSV6 specific protocol)

IP: It can only be filled in after the IP in the mode is enabled

Domain: It can only be filled in after the domain in the mode is enabled

Port: It can only be filled in after the domain in the mode is enabled

2.1.7 Platform Configuration

If you use the CMSV6 JT808 protocol to connect to the platform, set the IP and port in this menu.

The device supports simultaneous connectivity to 8 platforms, you can see the connection status of each platform.



Click the corresponding serial number to enter the server center setting interface, after setting, click OK to save the parameters.



Enable: Must be ticked to use

Address: Please fill in the IP or domain name correctly

TCP port: It can only be filled in after the domain in the mode is enabled

UDP port: It can only be filled in after the domain in the mode is enabled

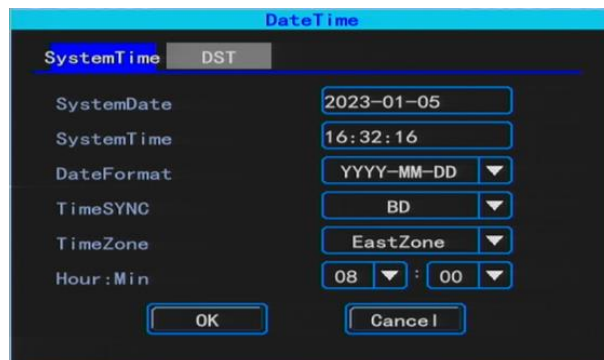
After setting, click “Next”. If no modification is needed, click “Ignore”.

2.2 Basic

The basic information menu contains: Data Time—Vehi Info--Preview--Video Output--On/Off—System Set—System Info



2.2.1 Date Time



System Date: Modify the current system date

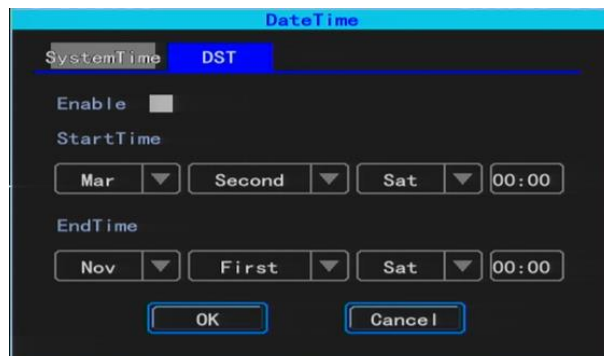
System Time: Modify the current system time

Date Format: The default format is year-month-day. Please modify the format as needed.

Time SYNC: Support server and GPS calibration time, the default is the GPS calibration time (The default is the GPS calibration time)

Time Zone: The default setting is East zone, please modified according to the local time zone.

Hour: Min: The default is 8 hours



The daylight saving time feature is not enabled by default. To use the daylight saving time feature, first enable and set the start and end times of daylight saving time, click OK to save the parameters.

2.2.2 Vehi Info



Please refer to [2.1.1 Vehi Info](#)

2.2.3 Preview

This function can set the channel preview mode and OSD content of video output. After setting, restart is required to take effect.



Delay: After the device is started, enter the channel preview mode according to the set delay time, and the default is No.

Mode: Channel display mode, different devices can choose different modes.

Pre Switch: Video display channel polling display settings, the device will switch single channel based on time polling, and the default is No.



Record OSD: On Screen Display, you can select some information to display on the preview screen (the displayed information is for preview, not for recording)

2.2.4 Video Output

This function can adjust the video output margins and colors to achieve the best display effect. By default, there is no need to adjust this function.

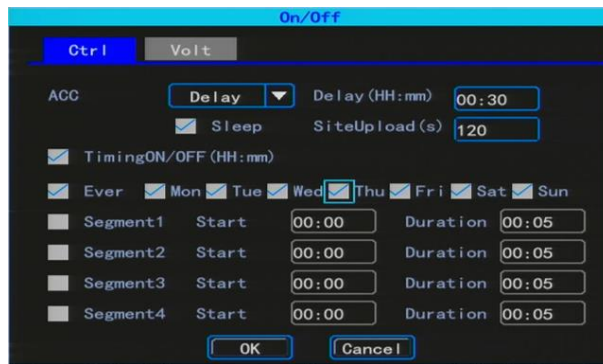


By adjusting the upper, lower, left and right margins, the display content can move with it. Please fine-tune according to the actual display effect.



2.2.5 On/Off

On/Off “Ctrl” setting is for starting on and shutting down the device automatically when the device is on standby after ACC ignition off. You can set up three time segments.



ACC Delay: You can set up the device to keep working for a given time period after the vehicle ACC ignition off.

Timing ON/OFF: When ACC is off, you can choose to turn on the device automatically at a certain time. If the vehicle can supply power to the equipment at this time, the equipment will start automatically at this time and shut down automatically again after reaching the start time. The device supports 4 time periods.

Note: The scheduled startup can only take effect after ACC is turned off, and the device will start automatically when ACC is turned on.



The On/Off “Volt” setting is for setting the voltage to shut down and start on the device, this feature can avoid the device drained the vehicle’s battery.

The device will detect the current voltage automatically, when the vehicle’s battery voltage is lower than the Shut. Volt, the device will shut down automatically to avoid drained the battery. When the voltage is higher than the Power Volt, the device can be started on.

2.2.6 System set



Language: The default language setting of the device, the languages of different countries can be displayed according to the authorized content.

Transparency: Set menu transparency and support three transparency settings.

Main Screen: Support CVBS or VGA, no modification is required by default, and the device automatically obtains.

VGA Display: Modify VGA display resolution, support 800X600/1024X768/1024X720/1280X1024 four resolutions.

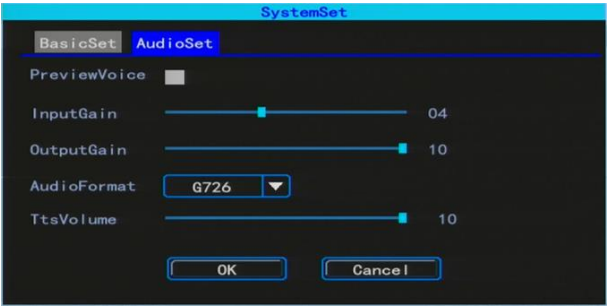
CVBS Format: The output format of CVBS supports PAL and NTSC, and the default is PAL.

Speed Unit: The speed unit supports km/mph and km/h, and the default is km/h.

Site Upload(s): GPS data upload interval only affects CMSV6 private protocol.

Logout: The default is Never

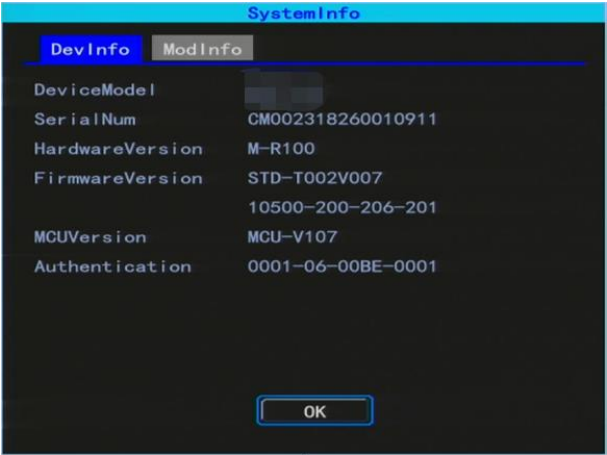
Mileage(0.1km): Initial mileage of equipment
Site Mode: GPS positioning is adopted by default



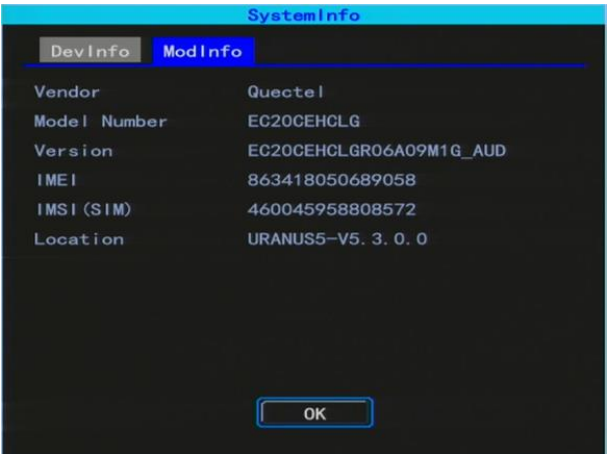
Preview Voice: Used for testing, not enabled by default
Input Gain: Audio input volume gain adjustment, the default value is 4
Output Gain: Audio output volume gain adjustment, the default value is 10
Audio Format: G711A/G711U/G726 audio format is supported. Please adjust according to the platform matching. If the audio format is inconsistent, you may not be able to listen or talk. The default value is G711A.
Tts Volume: TTS speaker volume adjustment (only used in China)

2.2.7 System info

System information includes: Device Model, Serial Number, Hardware & Firmware version etc.



The module information mainly includes the manufacturer, model, version, IMEI, IMSI and positioning module version information of the communication module.



If the module information is displayed as "--", the following situations may occur:

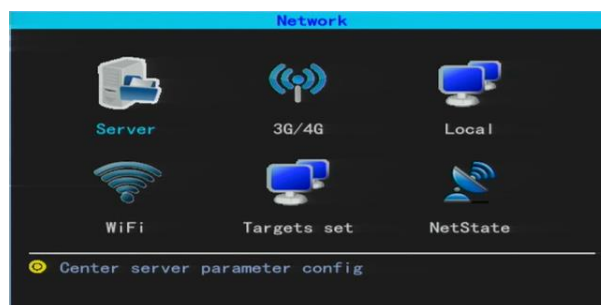
- 1. The device does not support 3/4G;
- 2. The module is broken and needs to be repaired;
- 3. Other unknown situations need to be confirmed by contacting technical support

If the equipment has AI function, the system information interface can also view AI information, including auth state, AI custom, AI run, version, ADAS state, DSM state.

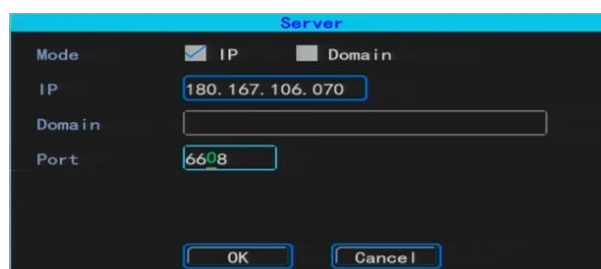


2.3 Network

Network settings mainly include Server, 3G/4G, Local, WIFI, Targets set, Net State.

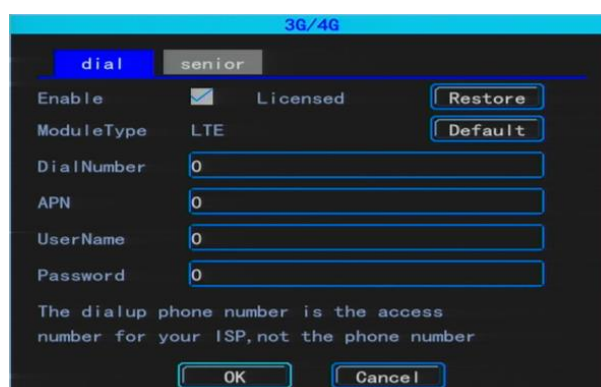


2.3.1 Server



Please refer to [2.1.6Server](#)

2.3.2 3G/4G



Please refer to [2.1.43G/4G](#)

2.3.3 Local

The number of network interfaces supported by different models of products is different, and the menu display is also different (depending on whether the device has network interfaces, 1-4 network interfaces are currently supported). Some devices do not support local settings, and some devices have only one network interface. Please refer to the actual product purchased.

The screenshot shows the 'Local' configuration window for the 'ETH1' interface. The 'LAN' mode is selected with a checked checkbox. Under 'Static IP', the 'DynamicIP' checkbox is unchecked and 'StaticIP' is checked. The IP settings are: IP Address: 192.168.189.101, Netmask: 255.255.255.000, Gateway: 192.168.189.100. Under 'Static DNS', 'DynamicDNS' is unchecked and 'StaticDNS' is checked. The DNS Server is set to 008.008.008.008. 'OK' and 'Cancel' buttons are at the bottom.

LAN: When selecting the LAN mode, please select the corresponding parameter settings according to the router configuration. At this time, the device can send data to the server through the Internet.

The screenshot shows the 'Local' configuration window for the 'ETH1' interface. The 'WAN' mode is selected with a checked checkbox. The IP settings are: Netmask: 255.255.255.0, Gateway: 192.168.001.101, DNS Server: 192.168.001.001. 'OK' and 'Cancel' buttons are at the bottom.

WAN: When WAN mode is selected, the device can provide network to other devices through the network port (WAN must be selected when connecting IPC camera).

Note: The product setting method that supports multiple network ports is the same, but the LAN mode cannot be used at the same time. When the WAN mode is used at the same time, the default gateway cannot conflict or be in the same network segment.

2.3.4 WIFI setting list

The screenshot shows the 'WIFI Setting List' window. It has 'Enable' checked and 'Licensed' selected. The 'ModuleType' is set to 'Wifi Ap'. Below is a table with 6 rows and 3 columns: NO., ESSID, and Status.

NO.	ESSID	Status
1	---	---
2	---	---
3	---	---
4	---	---
5	---	---
6	---	---

Please refer to [2.1.5WIFI Setting List](#)

WIFI Ap:



Wifi Ap

Enable ☒

ESSID: TLAP

Password: 12345678

Gateway: 192. 168. 161. 1

Netmask: 255. 255. 255. 0

DNSServer: 114. 114. 114. 114

OK Cancel

After selecting Enable, set the name (ESSID), password and other parameters of the WIFI hotspot and click OK. At this time, the device can provide network to other devices as a WIFI router.

2.3.5 Platform configuration



List	Address	Port	Status
1	180. 167. 106. 70	6608	Offline
2		0	Invalid
3		0	Invalid
4		0	Invalid
5		0	Invalid
6		0	Invalid
7		0	Invalid
8	chinamdvr. com	8339	Offline

Please refer to [2.1.7Platform Configuration](#)

2.3.6 Net state

Net State You can view the device's network, GPS, server connection status, etc.



NetState

BD: Locked Satellite: 9 (Good)

WIFI: NoModule WIFISignal: Disconnected

Module: LTE SIM: Existed

3G/4GSignal: Excellent DialState: Linked

UsingNet: 4G Srv1/2: Online/Invalid

Srv3/4: Invalid/Invalid Srv5/6: Invalid/Invalid

Srv7/8: Invalid/Online VideoServ: Online

OK

BD/GPS: If "locked" is displayed, it is normal. Other status descriptions are as follows:

1. No license means GPS function is not supported.
2. The antenna is unplugged and the GPS antenna is not connected.
3. Antenna short circuit, GPS antenna or interface short circuit.
4. Searching, the device is searching for GPS.

Satellite: Display the number of satellites searched by the equipment and the satellite signal strength.

WIFI: It is divided into the following states

1. Without license, the device does not support WIFI.
2. Detected, the device can search available WIFI.
3. Without Module, the device cannot search for available WIFI.

WIFI Signal: WIFI network status.

Module: 3G/4G module information, LTE is used by default.

1. When there is no display module, the device does not support the communication function or the module fails
2. When the power off, it indicates that the disk lock is not locked.

SIM: SIM card insertion detection status

1. Existed, the device has detected a SIM card.
2. No, the device did not detect the SIM card.
3. Exception, the device detected the SIM card, but could not read the SIM card correctly.

3G/4G Signal: 3G/4G signal status, when it is displayed as “None”, check whether the antenna is inserted or whether the APN is set correctly.

Dial State: Dial-up networking status of SIM card

1. Linked. The device SIM card is connected normally.
2. Disconnected, the device is not connected to the SIM card network.
3. Dialing, the device SIM card is dialing to access the Internet.
4. Registration failed. Check whether the SIM card is in arrears, and whether the APN is set correctly.

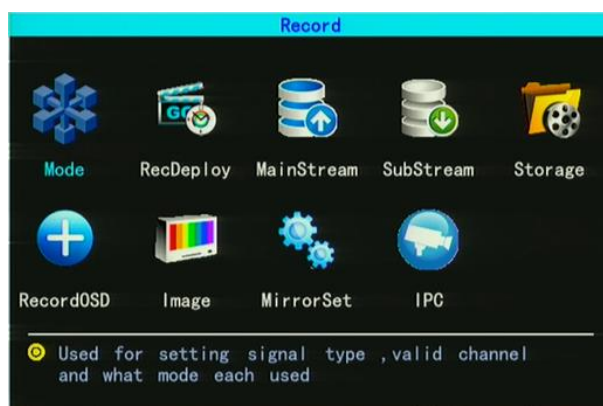
Using Net: Network type used by the current device

Srv1-8: For platform connection status of 808 Protocol, “Online” means that the connection with the platform is normal.

Video Serv: For platform connection status of CMSV6 private protocol, “Online” indicates that the connection with the platform is normal.

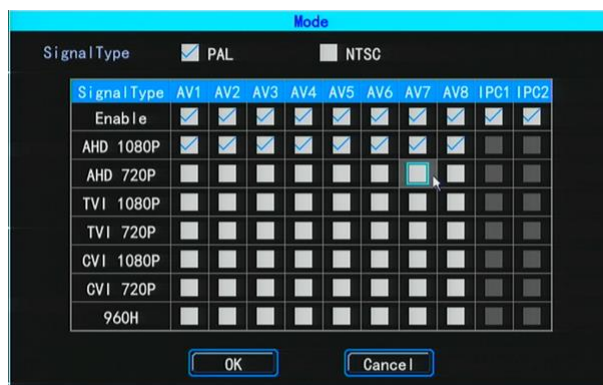
2.4 Record

Record settings include Mode, Rec Deploy, Main Stream, Sub Stream, Storage, Record OSD, Image, Mirror Set and IPC.



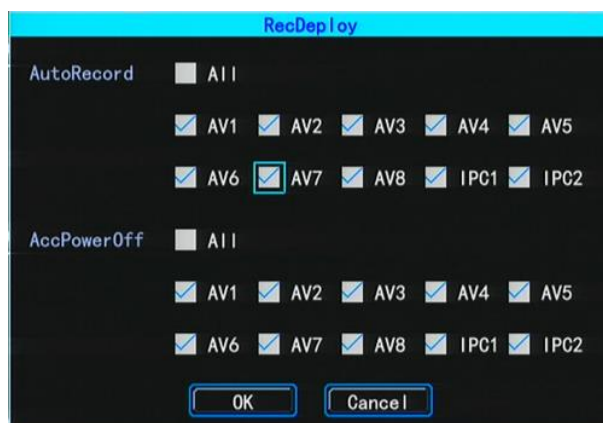
2.4.1 Mode

Due to different product models, the number of displayed device channels is different, and the supported video resolution is also different. For details, please refer to the equipment actually purchased.



Please refer to [2.1.2Mode](#)

2.4.2 Rec deploy



Auto Record: the channel for recording after the device is turned on, all are selected by default, and the unchecked channel will not be recorded after the device is turned on.

ACC Power Off: If the channel is checked, after the device ACC is turned off, the channel will continue to record when it is in the delayed shutdown state (for settings, please refer to 2.2.5 Power On and Off Settings). For unchecked channels, the channel will not be recorded after the device ACC is turned off.

Note: If the channel is not enabled in the mode setting, it is an invalid channel and will not record, and this interface cannot be set.

2.4.3 Main stream

Main Stream will be stored in local disk. This interface shows the current Main Stream setting and the corresponding storage size.

MainStream					
AV	Audio	Resolution	Frame fps	Bit Kbps	Size GB/h
AV1	☒	1080P	15	3383	0.967
AV2	☒	1080P	15	3383	0.967
AV3	☒	1080P	15	3383	0.967
AV4	☒	1080P	15	3383	0.967
AV5	☒	1080P	15	3383	0.967
AV6	☒	1080P	15	3383	0.967
AV7	☒	1080P	15	3383	0.967
AV8	☒	1080P	15	3383	0.967
IPC1	☐				
IPC2	☐				
Total					7.734

You can click any line to set up the corresponding parameters.



Channel: Corresponding channel number currently set, other channels can be selected from the drop-down list.

Audio: If selected, audio will be recorded synchronously during recording. If unchecked, there will be no sound in the video recording.

Resolution: The device supports five combined resolution settings (1080P/720P/960H/D1/CIF)

Frame (fps): Support 1, 3, 5, 8, 10, 12, 15, 20, 25

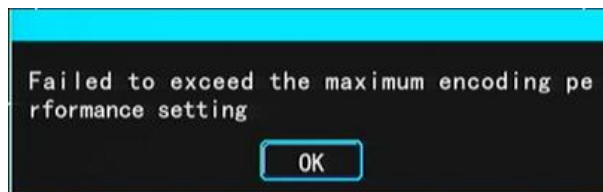
Bit Rate: Support fix or variable.

edition of fixed bit rate, and support 6-level adjustable.

Quality: Adjust the video definition under the condition of variable bit rate, and support 6-level adjustable

Encode Std: Support H.265 and H.264 coding standards

Note: The storage capacity required by the current configuration per hour



Note: When the resolution is 1080P, the maximum frame rate of some devices can only be set to 15fps. If the setting exceeds the upper limit, there will be a prompt.

2.4.4 Sub stream

Sub Stream is mainly used for network transmission. The preview video in the monitoring center is Sub Stream. Please refer to Main Stream for specific parameter settings.

SubStream						
AV	Audic	Resolution	Frame	fps	Bit Kbps	Size GB/h
AV1	☐	D1	12		858	0.245
AV2	☐	D1	12		858	0.245
AV3	☐	D1	12		858	0.245
AV4	☐	D1	12		858	0.245
AV5	☐	D1	12		858	0.245
AV6	☐	D1	12		858	0.245
AV7	☐	D1	12		858	0.245
AV8	☐	D1	12		858	0.245
IPC1	☐					
IPC2	☐					
Total						1.961

2.4.5 Storage

The device supports dual storage (or you can say “Mirror storage), means you can store the same recording in both HDD and SD at same time. For example, you can store the main stream in HDD and sub stream in SD card, when the HDD has error and doesn’t work, you can still get backup video from the SD card (sub stream).



Note: If the device has not inserted HDD or SD card, please do not select it, otherwise the platform will receive an abnormal disk alarm.

2.4.6 Record OSD

You can set up the information you want to be recorded in the video.

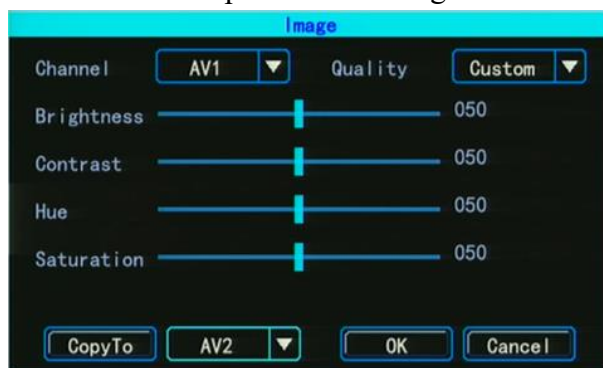


2.4.7 Image

Image settings are used to adjust the image effect of the camera. No setting is required by default

AV	Brightness	Contrast	Hue	Saturation
AV1	50	50	50	50
AV2	50	50	50	50
AV3	50	50	50	50
AV4	50	50	50	50
AV5	50	50	50	50
AV6	50	50	50	50
AV7	50	50	50	50
AV8	50	50	50	50

Click the corresponding line to enter the detailed parameter setting.



2.4.8 Mirror set

This feature can turn over the camera's image horizontally or vertically (for both preview and recording).

Type	AV1	AV2	AV3	AV4	AV5	AV6	AV7	AV8
Hori.	☒	☐	☐	☐	☐	☐	☐	☐
Verti.	☐	☐	☐	☐	☐	☐	☐	☐

2.4.9 IPC

When the device is equipped with a network port, it supports IPC camera connection. The number of network interfaces supported by different models of products is different. Please refer to the actually purchased products. When more than one IPC is supported, the IPC connection status will be displayed in the list.

Channel	IP	Status
IPC1	192.168.1.203	Connected
IPC2	---	---

IPC:only support DHCP

Notes: When using the IPC function, the WAN mode must be selected for the local setting. When multiple IPCs are connected, the WAN cannot be the same network segment.



IPC camera can only be connected after it is enabled

IP: After setting the same network segment of WAN and IPC in local settings, the IP address of IPC will be automatically obtained.

User Name/Password: User name and password of IPC camera

2.5 Advanced

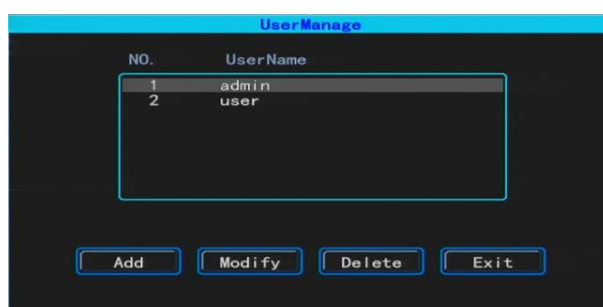
Advanced settings include User Manage, UART, Rear Camera, Net Test Show, AU100 Set, Timer Snap, Short Msg Mana, Rotate Sensor, Weight.



Some functions are customized, and the display content is different. Please refer to the actual purchased products.

2.5.1 User manage

You can add, modify, delete users, and modify the login username and privileges.



After selecting the user to modify, click Modify to modify the user.



ChangePassword

UserName: admin

OldPassword: [password field]

NewPassword: [password field]

Confirm: [password field]

OK Cancel

Click "Add" to add a new user (the authority is not higher than the administrator account, which can be used for operator or driver login).



Add/Modify User

UserName: zxy [abc]

Password: [password field]

☒ Basic ☒ Network

☒ Record ☒ Advanced

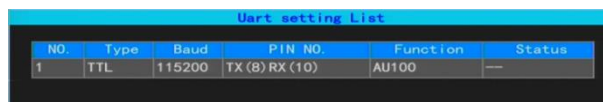
☒ Maintain ☒ Alarm

☒ Wizard

OK Cancel

2.5.2 Uart setting list

The serial port setting supports the sensor with external serial port function. The number of serial ports supported by different models of products is different. Please refer to the actual purchase product display.



Uart setting List					
NO.	Type	Baud	PIN NO.	Function	Status
1	TTL	115200	TX (8) RX (10)	AU100	—

The current serial port usage can be clearly displayed in the list. If you need to modify the settings, click the corresponding line to enter the detailed setting interface.



UART

No. 1 ▼ Function: None ▼

Baud: 115200 ▼ DataLen: 8bit ▼

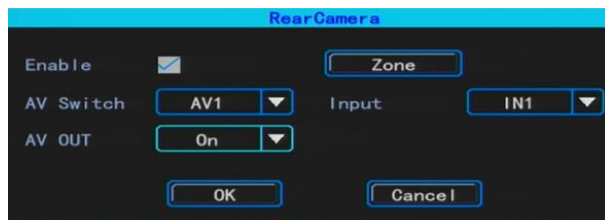
StopBit: 1bit ▼ Checksum: No ▼

OK Cancel

Funcic: You can select the supported customization functions, Serial net, fuel, AU100, ACR100, etc.

2.5.4 Rear Camera

The MDVR comes with Reverse camera function. Any channel can be used as reverse camera, click “Zone” to set up the reverse assistance lines.



AV Switch: The video of this channel will be displayed in full screen when the vehicle is backing up.

Input: It is necessary to connect the reversing signal line with the selected alarm input.

AV OUT: Normally we will select “On” at “AV OUT”. If you select “Off”, the screen will sleep when there is no operation for a while.

Zone: Guides are adjustable (drag the blue dot), as shown below.



2.5.5 AU100 Set

More hardware interfaces can be expanded through AU100. The AU100 can expand 4 232 and 1 485 serial ports, as well as 4 alarm inputs and 1 alarm output. It also supports thermometer and upgrade functions.

AU100 Set					
Uart Set AlarmInput AlarmOut TempSensor Maintain					
NO.	Type	Baud	PIN NO.	Function	Status
1	232	115200	TX (1) RX (3)	None	---
2	232	115200	TX (2) RX (4)	None	---
3	232	115200	TX (5) RX (7)	None	---
4	232	115200	TX (6) RX (8)	None	---
5	485	2400	A+ (9) B- (11)	None	---

Uart set: Please refer to [2.5.1Uart setting list](#)

AU100 Set							
Uart Set AlarmInput AlarmOut TempSensor Maintain							
Input	Type	PIN NO.	Enable	Buzzer	Out1	Out2	Status
1	Negative	13	☐	☐	☐	☐	☐
2	Negative	14	☐	☐	☐	☐	☐
3	Negative	15	☐	☐	☐	☐	☐
4	Negative	16	☐	☐	☐	☐	☐

Alarm Input: Please refer to [2.7.1Alarm input](#)

AU100 Set					
Uart Set AlarmInput AlarmOut TempSensor Maintain					
Out	PIN NO.	Interact	Remote	Manual	Status
1	18	☐	☐	☐	☐

Alarm Out: Please refer to [2.7.2Alarm out management list](#)

AU100 Set				
Uart Set AlarmInput AlarmOut TempSensor Maintain				
NO.	ID	Name	Temper	Status
1	11223456666	123	---	Lost
2	---	---	---	---
3	---	---	---	---
4	---	---	---	---
5	---	---	---	---
6	---	---	---	---

Temp Sensor: The temperature sensor supporting 1-wire bus protocol can connect up to 6 temperature sensors at the same time, the temperature sensor supporting 1-wire bus protocol can connect up to 6 temperature sensors at the same time.

Temperature Sensor

Enable ☒

Search

ID

11223456666

Name

123

☐ UpLimit

Temper

+0.0

☐ DownLimit

Temper

+0.0

Buzzer

☐

AlarmOut

1 2

UploadRate (s)

0

OK

Cancel

After enabling, click Search to enter the ID search interface, select the required ID, set the temperature sensor name, and then click OK.

AU100 Set

Uart Set AlarmInput AlarmOut TempSensor Maintain

SN

HardwareVersion

FirmwareVersion

From

SD

Upgrade

Maintain: You can check the AU100 version. If you can see the version number, the connection between AU100 and MDVR is normal. You can also upgrade the firmware of AU100 here.

2.5.6 Net Text Show

After enabling, the text information sent by the 808 protocol can be displayed on the screen, and the display time can be set.

NetTextShow

TextShow TTS

ShowText

☒

Duration (s)

300

OK

Cancel

TTS function is only supported in China.

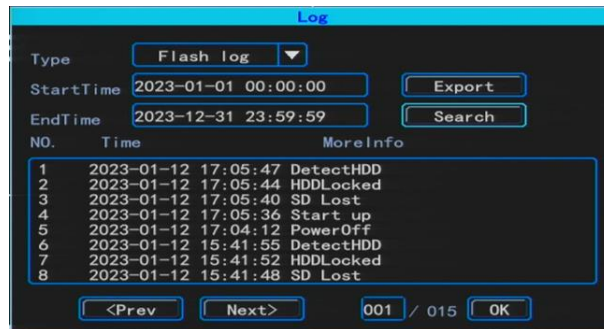
2.6 Maintain

Maintain settings include log, Disk Manage, Config, Upgrade, Auto Maintain.

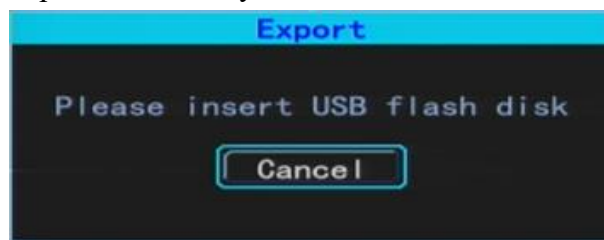


2.6.1 Log

Inquiry the system's running log according to the required Log Type and Time Range.



After clicking the export button, you will be prompted to insert the USB flash disk. After inserting the USB flash disk, wait for a moment to export successfully.



2.6.2 Disk Manage

You can check the status of the disk here.



Please refer to [2.1.3Disk Manage](#)

2.6.3 Config

Import/Export is used to import/export the setup and config information for setup in batch.

After setting up one device, export the setup parameters with your USB disk, then insert the USB disk into other device's USB port and re-power on the device, it will get the setup parameters automatically. (If you don't want to re-power on the device, you can import the setup parameters in menu, see as followed).



Import: The configuration parameters exported from other devices can be imported into the device to complete the quick configuration.

Export: Export the parameters successfully set in the device to the USB flash drive.

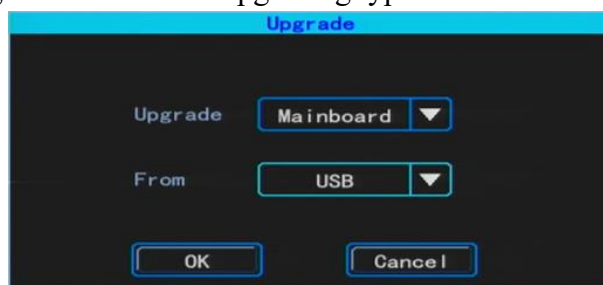
Normal info: Only restore normal information to factory (except vehicle info).

Vehi info: Only restore vehicle information to factory (except normal info).

All: Restore all parameters to factory settings.

2.6.4 Upgrade

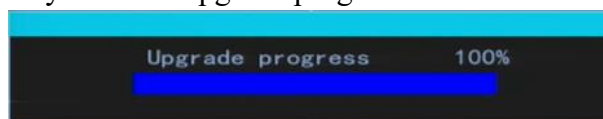
Please format your USB disk as FAT32 type and copy the upgrading file to the root directory of the USB disk. Then re-power on the device, it will upgrade automatically. If you don't want to re-power on the device, you can upgrade it in the menu "upgrade". Select the upgrading type.



Click OK and then insert the USB disk. The system will detect the USB disk and the file and then upgrade automatically.



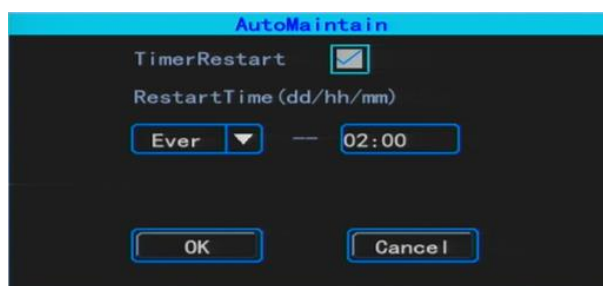
The device will restart automatically after the upgrade progress reaches 100%.



Note: The equipment cannot be powered off during the upgrade process.

2.6.5 Auto Maintain

If this function is enabled, the device will restart at the set time. If the device operates for a long time, it will cause system abnormalities. In theory, the device will be switched on and off at least once a week. Please configure it according to the actual use.



2.7 Alarm

Alarm settings include Input, Output, Video loss, Fatigue drive, Over speed, Disk error, Driving habit and Buzzer.



2.7.1 Alarm Input

The number of alarm inputs is different for different models of products. Please refer to the display interface of the actual purchased product.

Input	Type	PIN NO.	Enable	Buzzer	Out1	Out2	Status
1	Positive	4	☒	☐	☐	☐	☐
2	Positive	3	☒	☐	☐	☐	☐
3	Positive	6	☒	☐	☐	☐	☐
4	Positive	5	☒	☐	☐	☐	☐

Trigger priority, 1 to 4, high to low

Click the corresponding lines to setup.

AlarmInput

ChnInput: 1 ▼ Type: Positive ▼

Enable: ☒ Reverse: ☐

Buzzer: ☐ AlarmOut: 1 2

SwitchChn: No ▼ Delay(s): 0

EventName: PANICSign ReportType: Urgency ▼

AlarmRec: 1 2 3 4 5

Snapshot: 1 2 3 4 Snap Set

CopyTo: I02 ▼ OK Cancel

Chn Input: Current configured alarm input channel number

Type: Positive (Connect the signal line greater than 3.3V) and Negative (connect the ground signal line)

Enable: The alarm input function is normal only after it is enabled.

Reverse: When enabled, the alarm condition changes from contact alarm to disconnection alarm.

Buzzer: Not enabled by default

Alarm Out: Whether to control the alarm output in case of alarm

Switch Chn: Whether to enlarge the video display of a certain channel during alarm

Delay(s): Alarm delay time

Event Name: Alarm name displayed on the screen

Report Type: No need to modify this item

Alarm Rec: When enable, when the alarm is triggered, the device will mark the video file and can search the alarm video in the video backup.

Snapshot: When enabled, when the alarm is triggered, the device will automatically capture the picture and can search the

alarm picture in the picture backup.

Snap Set: The alarm shooting mode can be set to support single shooting, double shooting and continuous shooting.



2.7.2 Alarm Out Management List

The alarm output can mainly control the relay, control other equipment through the relay, the number of alarm outputs supported by different models of products is different. Please refer to the display of the actual purchased equipment.

AlarmOutManagement List					
Out	PIN NO.	Interact	Remote	Manual	Status
1	1	☒	☐	☐	☐

Click the corresponding lines to setup.



Interact: It is linked with the alarm input. When the equipment alarm input is triggered, the alarm output is triggered at the same time.

Remote: Alarm output is controlled by platform (oil cut-off or power failure).

Manual: Test mode, click the right switch to control the alarm output.

2.7.3 Video loss

Video Loss alarm will be triggered if there is no camera or wrong type camera was connected with a valid channel.



2.7.4 Fatigue Drive

Fatigue driving mainly refers to early warning and alarm reminder after the continuous driving time of the equipment reaches the set value after starting up. After the alarm, it is necessary to stop for more than 20 minutes to rest (at a speed of 0) before timing again.

FatigueDrive

Enable

☐

Buzzer

☐

Speech

☐

AlarmOut

1

2

WarningTm(HH:mm)

03:30

AlarmTm(HH:mm)

04:00

EnableNight

☐

StartTime

22

0

0

EndTime

5

0

0

WarningTm(HH:mm)

01:30

AlarmTm(HH:mm)

02:00

OK

Cancel

This function is not enabled by default. Please set relevant parameters as required.

2.7.5 Over speed

After the over speed alarm is enabled, when the equipment speed reaches the set value, the over speed alarm reminder will be sent.

Overspeed

Enable

☐

Buzzer

☐

Speech

☐

AlarmOut

1

2

WarnSpeed(km/h)

110

AlmSpeed(km/h)

120

WarnTime(sec)

10

AlmTime(sec)

10

EnableNight

☐

Alarm speed automatically drops to 80%.

StartTime

22

0

0

EndTime

5

0

0

OK

Cancel

Please set relevant parameters as required.

2.7.6 Disk Error

When this function is enabled, the device will send an alarm when it detects a disk error.

DiskError

Type

DiskError

▼

Enable

☒

Buzzer

☐

AlarmOut

1

2

OK

Cancel

2.7.7 Driving Habit



The screenshot shows a window titled "DrivingHabit" with a black background and blue text. It contains several settings:

- Type:** A dropdown menu currently showing "SpeedUp".
- Enable:** A checkbox that is currently unchecked.
- Sensitivity:** A dropdown menu currently showing "Medium".
- Buzzer:** A checkbox that is currently checked.
- AlarmOut:** Two buttons labeled "1" and "2". Button "1" is highlighted in blue.
- Record:** Four buttons labeled "1", "2", "3", and "4". Button "1" is highlighted in blue.
- At the bottom are "OK" and "Cancel" buttons.

Type: You can select Speed Up, Speed Down, Wheel, Crash and Turn Over.

Enable: The driving habit function is normal only after it is enabled.

Sensitivity: Sensitivity setting, you can select LOW, Medium, High.

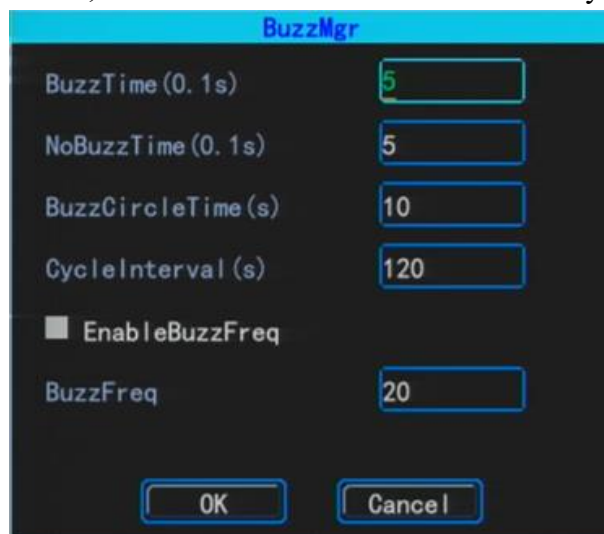
Buzzer: Not enabled by default

Alarm Out: Whether to control the alarm output in case of alarm

Record: When enabled, when the alarm is triggered, the device will mark the video file and can search the alarm video in the video backup.

2.7.8 Buzz Mgr

You can set the beep rule of the buzzer, which does not need to be modified by default.



The screenshot shows a window titled "BuzzMgr" with a black background and blue text. It contains several settings:

- BuzzTime (0.1s):** A text input field containing the value "5".
- NoBuzzTime (0.1s):** A text input field containing the value "5".
- BuzzCircleTime (s):** A text input field containing the value "10".
- CycleInterval (s):** A text input field containing the value "120".
- EnableBuzzFreq:** A checkbox that is currently unchecked.
- BuzzFreq:** A text input field containing the value "20".
- At the bottom are "OK" and "Cancel" buttons.