Functional summary specification

1080P HD series

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disclaimer

This product mainly provides vehicle drivers with an all-round video image information of the road conditions around the vehicle, which can be displayed or recorded in real time to help drivers drive safely.However, due to the complexity of the road conditions and the different driving habits of drivers, our company will not bear the joint and several liability of vehicles with this product in case of traffic accidents.Please drive carefully and follow the traffic safety regulations.

The final interpretation of this document belongs to our company.

1.foreword

1.1. Overview

This article explains the setting options of the 360 menu.

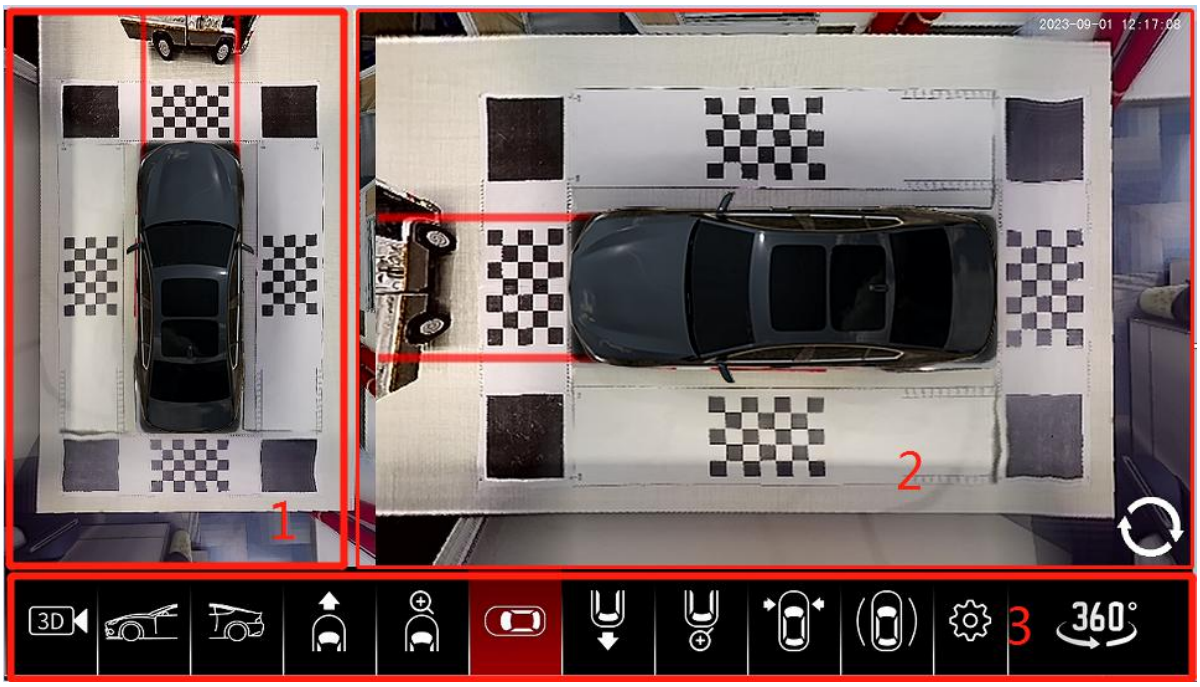
1.2.Product version

1080P HD series version.

1.3.Readers

- This document is mainly applicable to:
- Installation engineer.
- Eed customers.

1.4.Nounconvention

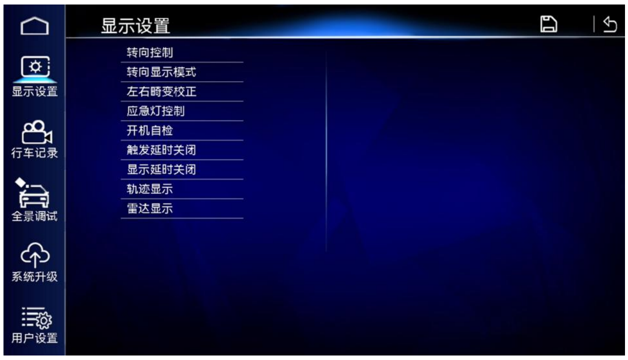


graph 1-1

Figure 1-1 shows the screen displayed after 360 is started or triggered, which is called "360 main interface" or "360 interface"; Among them, the 360-view interface is displayed in the red frame with the number "1", which is called "360-view boundary map/ring view/bird's-eye view/panoramic view", which is a real-life map around the car body spliced by the images of four cameras on the ground plane; Among them, the picture of 360 single camera is displayed in the red box with "2", which is called "single view/single picture"; Among them, the beginning of the "3" red box is divided into UI parts.When these nouns are mentioned in this article, they mean the meaning in this paragraph, and will not be introduced separately later.

Main menu interface

The main menu interface is shown in the figure below:


显示设置
转向控制
转向显示模式
左右畸变校正
应急灯控制
开机自检
触发延时关闭
显示延时关闭
轨迹显示
雷达显示
显示设置
行车记录
全景调试
系统升级
用户设置

This interface can be displayed on the "360 Menu" button in the UI part of the 360 main interface. There are 5 options as follows:

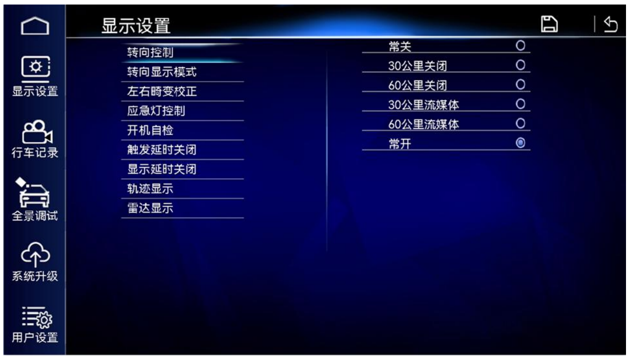
- Display Settings: Settings about steering control, display mode, distortion switch, emergency light, boot self-test, delay closing, track display, track line height and other switches.
- Driving record: the four video files recorded by the U disk are played back, locked and deleted.
- Panoramic debugging: about the setting of splicing and image display range, etc
- System upgrade: upgrade the system program and car model files.
- User Settings: time, model, track line mode, UI, AI and system Settings.

Select the corresponding icon, press the remote control "confirm" key, the interface to update the relevant settings. Touch can directly click the setting; the remote control needs to switch up or down to the submenu

1.set up

1. 1. Display settings

Select the "Display Settings" icon in the main menu interface, and then press the remote control "Confirm" key to enter the menu setting item. The setting item interface is shown below:


显示设置
转向控制
转向显示模式
左右畸变校正
应急灯控制
开机自检
触发延时关闭
显示延时关闭
轨迹显示
雷达显示
显示设置
行车记录
全景调试
系统升级
用户设置

常关 ○
30公里关闭 ○
60公里关闭 ○
30公里流媒体 ○
60公里流媒体 ○
常开 ●

1. 1. 1. steering control:

Function Description: the setting of steering triggers entry 360, on or off.

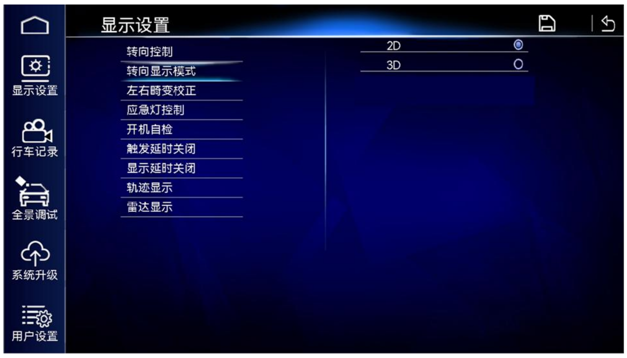
option:

- Regular pass: after setting, the steering will not enter the 360;
- 30 km off: speed over 30, steering will not enter 360;
- 60 km off: speed over 60, steering will not enter 360;
- 30 km of streaming media: speed over 30 km, steering switch to streaming media;
- 60 km of streaming media: speed over 60 km, steering switch to streaming media;
- Regular open: after setting, the steering can trigger the entry into 360.

Note: If the steering has AI detection on, the streaming media is not switched

1. 1. 2. Steering display mode

Function description: the screen mode displayed by the 360 single view after the steering is triggered.



2D ●

3D ○

option:

- 2D: The single view is in the 2D mode
- 3D: The single view is in the 3D mode

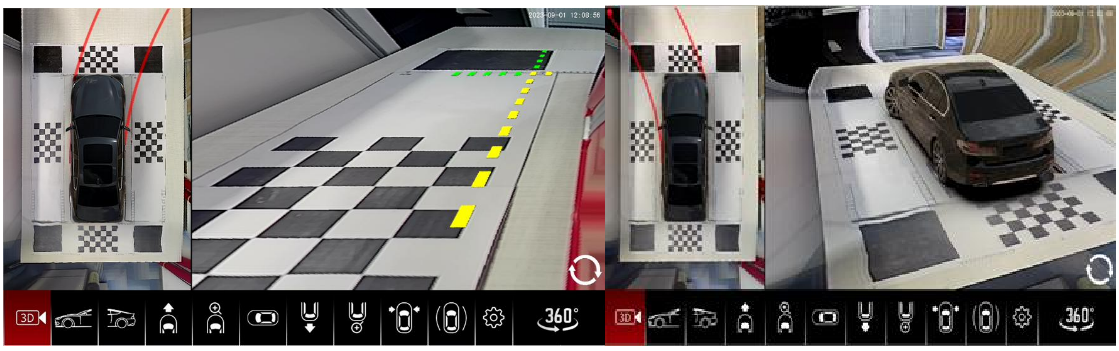


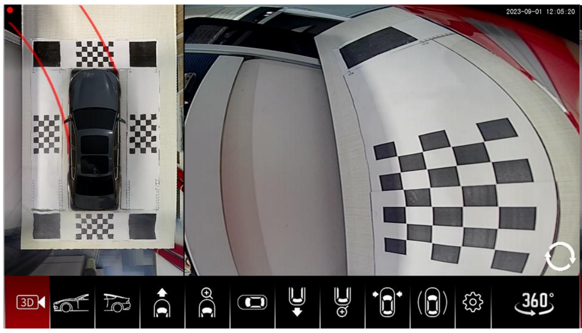
Figure 2D Figure-3D

1. 1. 3. Left and right distortion correction

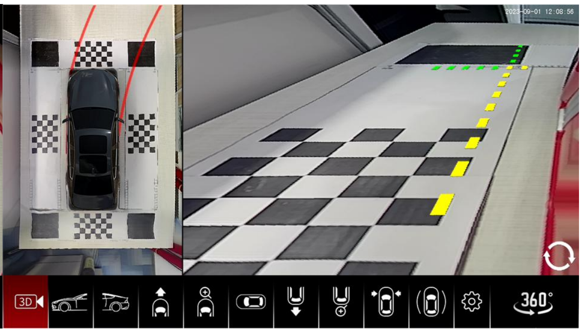
Function description: refers to the left and right 2D screen display mode.

option:

- Off: the left and right 2D images display as the original effect. Figure 2-1
- Open: the left and right 2D screen shows the open distortion effect. Figure 2-2



graph 2-1



graph 2-2

1. 1. 4. Emergency light control

Function description: whether the key emergency light button enters the setting of 360.

option:

- Close: After setting, the button will not enter 360.
- Open: After setting, the button can trigger entry 360.

1. 1. 5. Boot self-inspection

Function description: After opening the ACC, 360 actively triggers the duration of 3D rotation after entering 360

option:

- Close: Open ACC and will not automatically enter 360.
- 10 seconds: After opening ACC, 360 automatically triggers to enter 360 3D rotation for 10 seconds
- 15 seconds: After opening ACC, 360 automatically triggers to enter 360 3D rotation for 15 seconds
- 20 seconds: After opening ACC, 360 automatically triggers to enter 360 3D rotation for 20 seconds
- 30 seconds: After opening ACC, 360 automatically triggers to rotate into 360 3D for 30 seconds
- 40 seconds: After opening ACC, 360 automatically triggers to enter 360 3D rotation for 40 seconds
- 50 seconds: After opening ACC, 360 automatically triggers to enter 360 3D rotation for 50 seconds
- 60 seconds: After opening ACC, 360 automatically triggers to enter 360 3D and rotate for 60 seconds

1. 1. 6. Trigger time-lapse closure

Function description: refers to the time when 360 extends the trigger signal after the trigger signal (left and right steering, reverse shift, etc.) stops.

option:

- 0s: exit the steering (or reversing trigger signal) signal, immediately return to the original vehicle interface
- 3s: exit the steering (or reversing trigger signal) signal, display 3 seconds 360 interface, and then return to the original vehicle interface.
- 5s: exit the steering (or reversing trigger signal) signal, display the 360 interface for 5 seconds, and then return to the original vehicle interface
- 10s: exit the steering (or reversing trigger signal) signal, display the 10 second 360 interface, and then return to the original vehicle interface
- 30s: exit the steering (or reversing trigger signal) signal, display the 360 interface for 30 seconds, and then return to the original vehicle interface
- Regular open: exit the steering (or reverse trigger signal) signal, will be displayed in the 360 interface will not exit.

1.1.7. Display time-lapse closure

Function description: refers to the time when the video signal of 360 continues to output after the trigger signal (left and right steering, inversion, etc.) stops and the video trigger signal also stops output.

option:

- 0s
- 3s
- 5s
- 10s
- 30s
- normally open

for instance:

Chang open: means 360 has always output video signal, even now in the original car interface

Note: This function is designed to solve the problem that some navigation reversing detection line detection is not synchronized with the video switch. In some navigation (some models of Volkswagen), the navigation reverse detection line signal input will not immediately cut the screen back to the navigation interface. If the video output signal of 360 and the video trigger output signal are closed at the same time, the navigation black screen will appear for a period of time. To solve this problem, the video output signal of 360 should lag behind when the video trigger output signal is turned off, and the lag time is set in this option and is greater than the time for the navigation to switch back to the navigation screen. General navigation This item is set to 0s.

1.1.8. The trajectory is shown

Function description: whether there is a track setting switch in the front and rear view.

option:

- Close: Single view does not display tracks
- Front and after display: Single view front and back view display track
- Backview only: Backview only single view display tracks

1.1.9. radar display

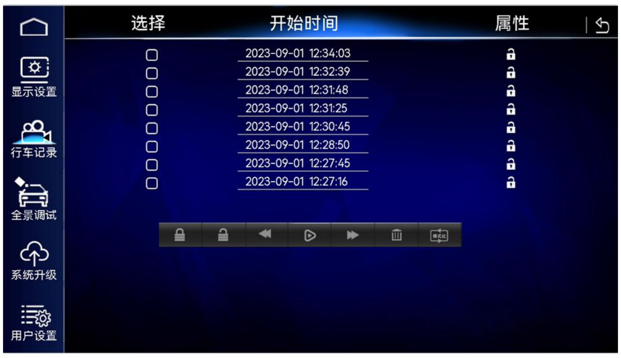
Function description: Display setting of the radar color block.

option:

- Off: No radar color block will be displayed when radar data is available
- Open: When the radar data is available, the radar color block is displayed

1.2. Driving record

Select the "Driving Record" icon in the main menu interface, and then press the remote control "Confirm" key to enter the menu setting item. The setting item interface is shown below:



选择	开始时间	属性
☐	2023-09-01 12:34:03	🔒
☐	2023-09-01 12:32:39	🔒
☐	2023-09-01 12:31:48	🔒
☐	2023-09-01 12:31:25	🔒
☐	2023-09-01 12:30:45	🔒
☐	2023-09-01 12:28:50	🔒
☐	2023-09-01 12:27:45	🔒
☐	2023-09-01 12:27:16	🔒

In this menu, you can view the video files saved in the U disk, and you can delete, play back, lock, unlock, and format the U disk for the video files.

1. 2. 1. delete

Function description: press the remote control "up", "down" key to select the file to operate, and press the "confirm" key to select, and then press the remote control "up", "down" button to select the "Delete" button, press the "confirm" key to delete the corresponding file, you can select multiple.

1. 2. 2. playback

Function description: press the remote control "up", "down" key to select the file to operate, and press the "confirm" key to select, and then press the remote control "up", "down" key to select the "Play" button, press the "confirm" key to play the corresponding file. You can choose more, at this time after the broadcast of a file will automatically sow a file.

Note: The video file in U disk can be played with iQiyi universal player, QQ video, PotPlayer or other 4K player in windows,

1. 2. 3. lock

Function description: press the remote control "Up" and "Down" button to select the file to be operated, and press the "confirm" button to select, then press the remote control "Lock" button and press the "confirm" button to lock the corresponding file. You can choose more. After the file is locked, it is not automatically overwritten by the system.

Note: Do not lock unnecessary files for a long time to avoid too many locked files and no space for the new video files in the system.

1. 2. 4. deblocking

Function description: press the remote control "up" and "down" key to select the file to be operated, and press the "confirm" key to select, and then press the remote control "up", "down" key to select the "Unlock" button, press the "confirm" key to unlock the corresponding file. You can choose more.

Note: Please be careful to unlock the video files to avoid the overwriting of the important video files.

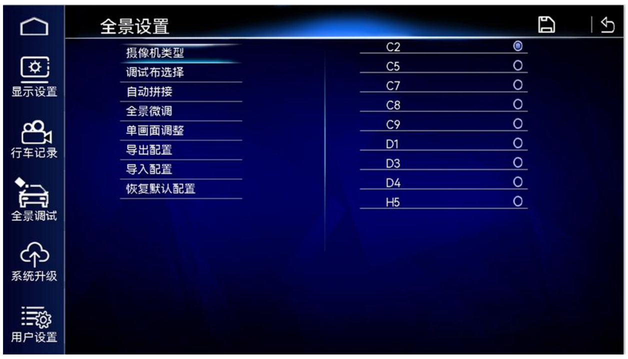
1. 2. 5. formatting

Function description: Format the U disk. Delete everything in the U disk.

Note: Please operate carefully. In addition, it is recommended to format the U disk once every 3 months

1. 3. Panoramic debugging

Select the "Panoramic debug" icon in the main menu interface, and then press the remote control "confirm" key to enter the menu setting item. The setting item interface is shown below:


全景设置
显示设置
行车记录
全景调试
系统升级
用户设置
摄像机类型
调试布选择
自动拼接
全景微调
单画面调整
导出配置
导入配置
恢复默认配置
C2 ●
C5 ○
C7 ○
C8 ○
C9 ○
D1 ○
D3 ○
D4 ○
H5 ○

1. 3. 1. Camera type

Function description: the lens model used to calculate the distortion parameters when splicing

option:

- C2
- C3
- C4
- C5
- C6
- C8
- C9
- D1
- D2
- D3
- D4

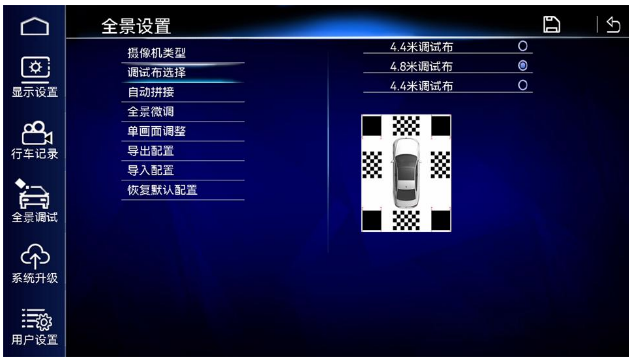
……

Note: This parameter has a great impact on the splicing effect. Please confirm the corresponding camera to this parameter before splicing.

1. 3. 2. Commissioning cloth selection

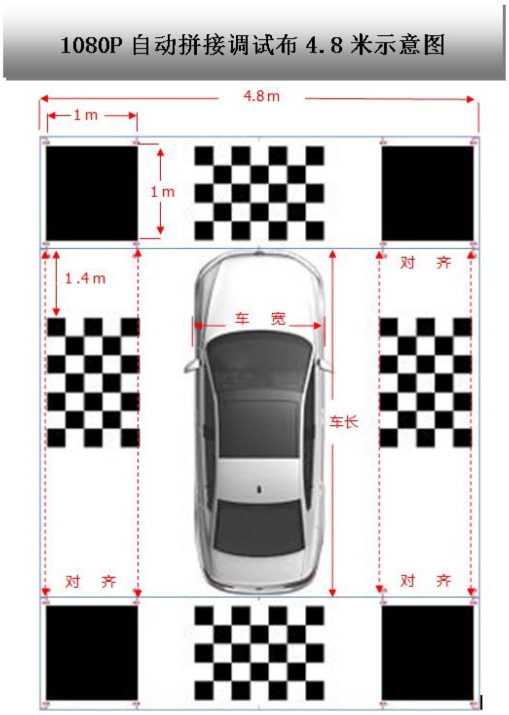
Function description: the specification of the debugging cloth during splicing

option:


全景设置
显示设置
行车记录
全景调试
系统升级
用户设置
摄像机类型
调试布选择
自动拼接
全景微调
单画面调整
导出配置
导入配置
恢复默认配置
4.4米调试布 ○
4.8米调试布 ●
4.4米调试布 ○

- 4.4 m debugging cloth (front and rear debugging cloth plus left and right chessboard, front and rear debugging cloth length is 4.4 m; automatic splicing)
- 4.8 m debugging cloth (front and rear debugging cloth plus left and right board, front and rear debugging cloth length is 4.8 m; automatic splicing)

- 4.4 m debugging cloth (two large black case manual debugging cloth)

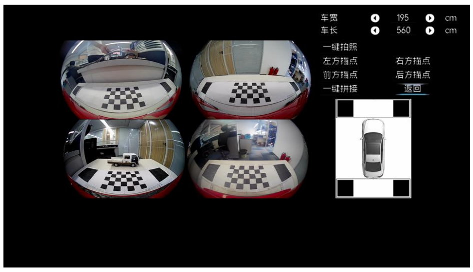

1080P 自动拼接调试布 4.8 米示意图
4.8 m
1 m
1 m
1.4 m
车 宽
车长
对 齐
对 齐
对 齐
对 齐

graph 2-3

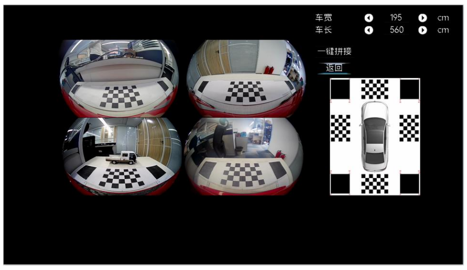
1.3.3. Automatic splicing

Select the first and second type, click the automatic splicing to enter the automatic splicing step, and click the automatic splicing to enter the manual splicing step

Manual splicing interface, automatic splicing interface


车宽 195 cm
车长 560 cm
一键拍照
左方描点
右方描点
前方描点
后方描点
一键拼接
返回

graph 2-4


车宽 195 cm
车长 560 cm

Function description: Automatic splicing.

Vehicle width: distance between outer sides of two wheels (refer to Figure 2-3)

Commander: the distance between the front and the back (see Figure 2-3)

After entering the length and width, click one-button splicing, the system will automatically identify the splicing cloth. When the system identifies a

certain point is uncertain, it will prompt the manual tracing to confirm the action. During the splicing process, follow the system prompts to complete the splicing, click back, the system will save the splicing data and effect and restart the system.

remarks:

1、 The camera type corresponding to the actual use is selected before splicing

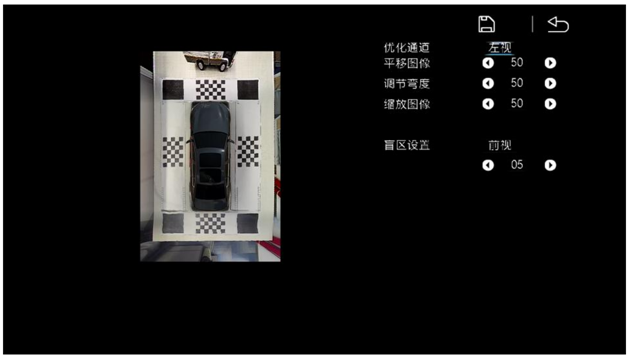
1.1 Fixed lens perspective: the left and right lens perspective is parallel to the body; the front and rear lens perspective is perpendicular to the body (refer to Figure 2-4)

2、 Select the splicing and debugging cloth corresponding to the actual use (reference Figure 2-3 for debugging cloth placement)

2.1 The front and rear debugging cloth is placed according to the center of the body. The distance between the left and right debugging cloth and the front big hg is 1.5 meters (the front debugging cloth is 1.4 meters), and it is aligned with the front left and right big black respectively.

1. 3. 4. Panoramic fine-tuning

Panoramic fine-tuning. after selecting this option, press the remote control "Confirm" key to enter the menu setting item. The interface of this setting item is as follows:



优化通道 左视
平移图像 50
调节弯度 50
缩放图像 50

盲区设置 前视
05

Function description: Set up to fine-tune the display effect in the panorama area

Optimize the channel: refers to the position needs to be adjusted

Translation image: the image of the selected channel is translated in the vertical direction

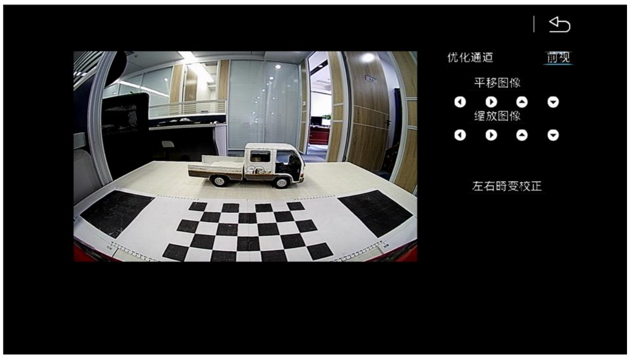
Adjust curvature: Adjust the horizontal image of the selected channel

Scale image: zoom in on the horizontal and vertical image of the selected channel

Blind zone setting: the visual angle that needs to be adjusted; the larger the number, the larger the blind spot, the smaller the number, the smaller the blind spot

1. 3. 5. Single picture adjustment

Single screen adjustment. After selecting this option, press the remote control "Confirm" key to enter the menu setting item. The interface of this setting item is as follows:



Function description: Adjust the display range of the single screen

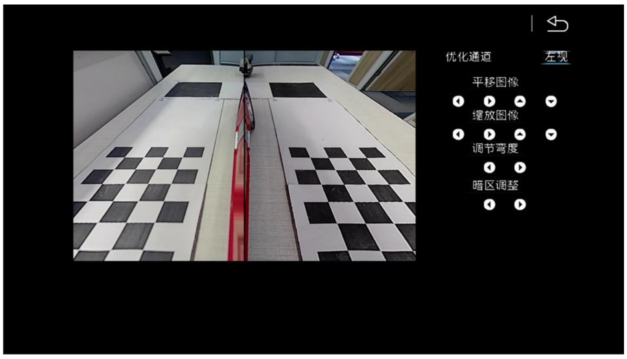
Optimization channel: refers to the perspective that needs to be adjusted

Translation image: the translation of the image range of the selected channel in the horizontal or vertical direction

Scale image: zoom the image range of the selected channel horizontally or vertically

After the adjustment, click the "Back" button, and the adjustment effect will be saved

Left and right distortion correction:



Function description: adjust the setting of the left and right distortion correction and the narrow channel mode display effect

Optimization channel: refers to the perspective that needs to be adjusted

Translation image: the translation of the image range of the selected channel in the horizontal or vertical direction

Scale image: zoom the image range of the selected channel horizontally or vertically

Adjust the osity: a setting to adjust the curvature of the lower display of the selected channel image

Dark area adjustment: the setting for the image of the selected channel (mainly for the narrow channel mode with dark angles)

After the adjustment, click the "Back" button, and the adjustment effect will be saved

1. 3. 6. Export configuration

Function description: Export the splicing data to the U disk.

Note: After the configuration file is exported, you can back it up to avoid missing the splicing data and resplicing.

1. 3. 7. Import configuration

Functional description: Import the splicing data saved to the U disk.

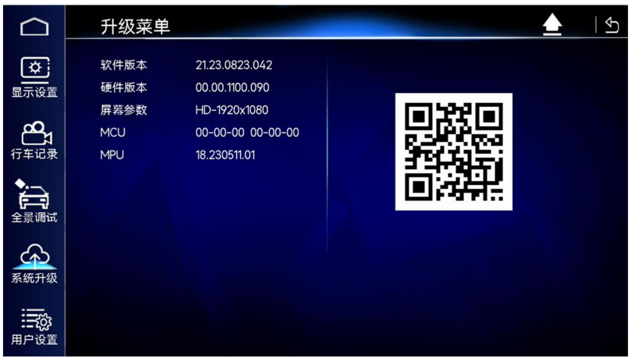
1. 3. 8. Restore the default configuration

Functional Description: This option restores back to data from the first splicing.

Note: Please operate carefully to avoid the loss of relevant fine-tuning data.

1. 4. system upgrade

Select the "System Upgrade" icon in the main menu interface, and then press the remote control "confirm" key to enter the menu setting item. The setting item interface is shown below:



软件版本 21.23.0823.042
硬件版本 00.00.1100.090
屏幕参数 HD-1920x1080
MCU 00-00-00 00-00-00
MPU 18.230511.01

Software version: Software-related information

Hardware version: Hardware-related information

Screen parameters: the current resolution

MCU: the decoder version

MPU: MCU version

1. 4. 1. Upgrade (360 program or decoder program or SCM program)

Function description: After putting the upgrade file in the U disk and inserting it into the host, select the icon "" in the upper right corner of the figure, remotely confirm or click, and then upgrade according to the prompt information. After the upgrade, the main opportunity will automatically restart.

remarks:

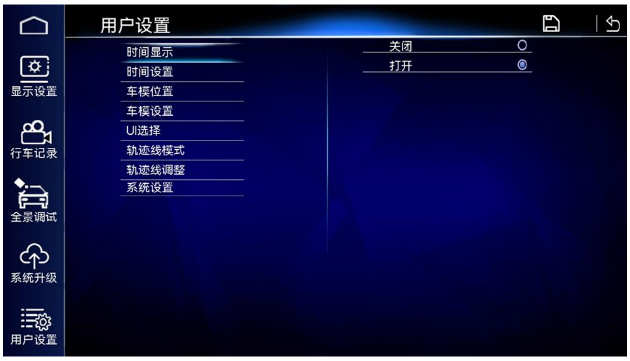
1、 Please note that the upgrade software should match the hardware, otherwise the upgrade may be unsuccessful or abnormal after the upgrade.

2、 During the upgrade process, power should not be cut off, otherwise the main engine may not be started and it needs to be returned to the factory for maintenance

3、 Upgrading the decoder program through this channel requires the decoder to support the channel upgrade (consult the decoder for details)

1. 5. User Settings

Select the "User Settings" icon in the main menu interface, and then press the remote control "Confirm" key to enter the menu setting item. The setting item interface is shown below:


用户设置
显示设置
行车记录
全景调试
系统升级
用户设置
时间显示
时间设置
车模位置
车模设置
UI选择
轨迹线模式
轨迹线调整
系统设置

关闭 ○

打开 ●

1. 5. 1. **time display**

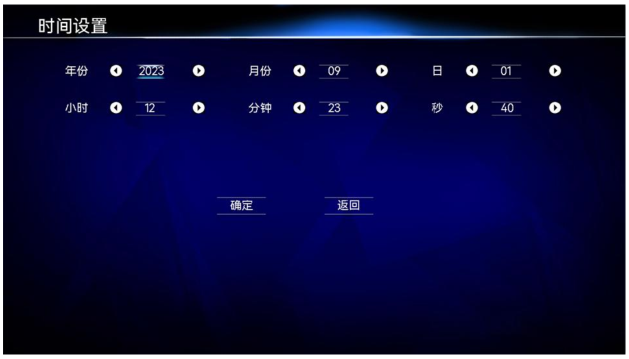
Function description: whether the 360 single view interface display time.

option:

- Open: display.
- Off: is not displayed.

1. 5. 2. **Time setting**

Function description: Set the current time of the 360 system.



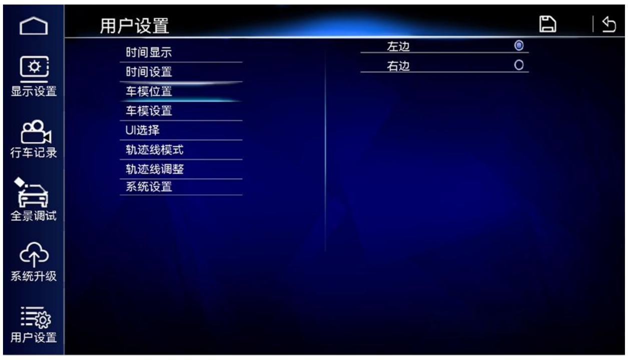
年份 2023　月份 09　日 01

小时 12　分钟 23　秒 40

Note: This time is the time recorded by 360 system, which needs to access B + to 360 system, and the decoder does not synchronize the original car time. If the agreement has the time of synchronization, the time of synchronization is displayed first

1. 5. 3. **Car model position**

Function description: Set the position of the 360 main interface loop view


用户设置
显示设置
行车记录
全景调试
系统升级
用户设置
时间显示
时间设置
车模位置
车模设置
UI选择
轨迹线模式
轨迹线调整
系统设置

左边 ●

右边 ○

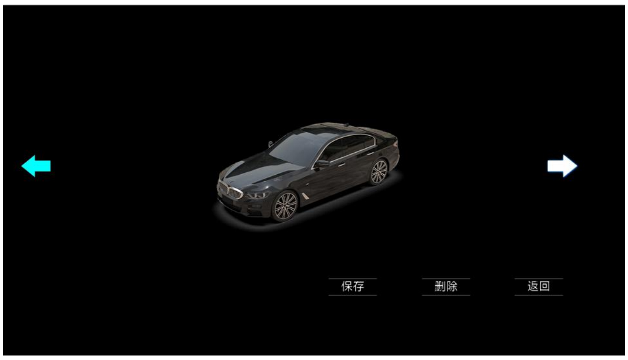
- Left: Panorama view is shown on the left. Figure 1-1

- Right: Panorama view is shown on the right. Figure 2-2

[redacted]

1.5.4. Car model setting

Function description: Set the 360 main interface ring view and aerial view of the car model

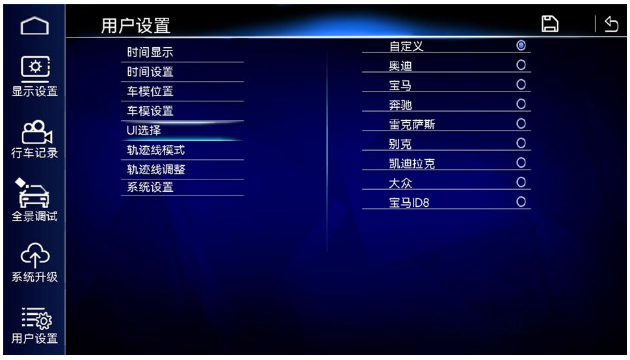


- Save: After clicking the button, the current model displayed, that is, the model displayed in the 360 panoramic interface
- Delete: Click the button to delete the car model displayed on the current interface
- Return: Return to the upper main menu

[redacted]

1.5.5. UI select

Panoramic interface UI display style setting item



function declaration:

user-defined: By upgrading the UI file, which displays the UI style

Oddey: The UI is shown in the original Audi car style

BMW: The UI is shown in the original BMW car style

Benz: The UI is shown in the original Mercedes-Benz car style

Lexus: The UI is shown in the Lexus original car style

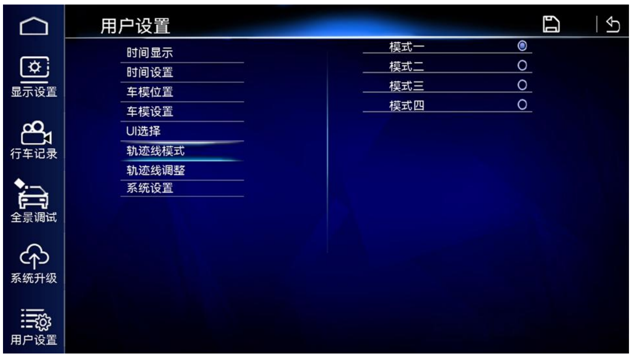
Buick: The UI is shown in the Buick original car style

Cadillac: The UI is shown in the original Cadillac car style

the masses:The UI is shown in the original Volkswagen car style

BMW ID8: The UI appears for the BMW ID8 original car style

1. 5. 6. Track line mode (note: UI selection customization is valid, dedicated UI, track fixed)



模式一 ●
模式二 ○
模式三 ○
模式四 ○

Function description: 360 main interface track line display style.

Mode 1: Audi style

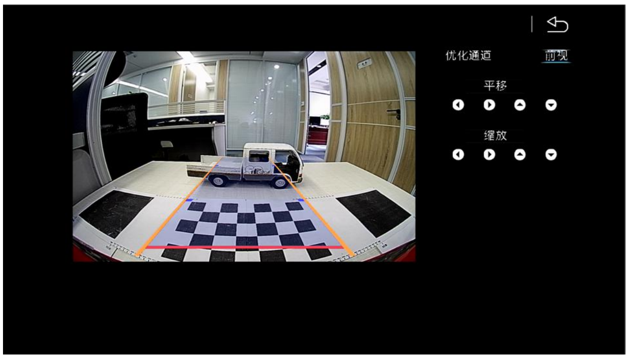
Mode 2: A Lexus in style

Mode 3: popular style

Mode 4: Buick style

1. 5. 7. **Track line adjustment**

Functional description: Adjust the width, height, and position of the track line.



option:

Pan Pan: Adjust the position of the track line. Support for the left and right up and down translation

Scale: adjust the track line height and width.

Left arrow: track line widening

Right arrow: narrow track line

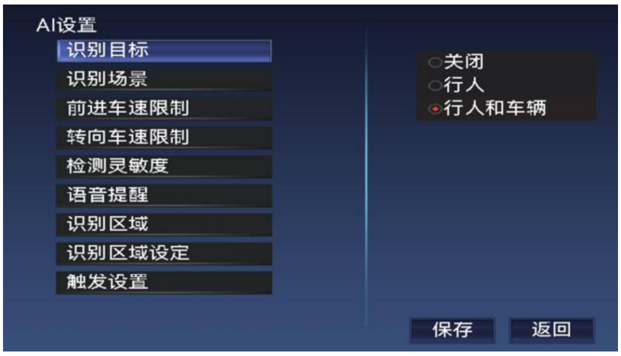
Arrow on: far away from the body end adjustment, adjust to the highest, then press the button, close to the body end adjustment

Lower arrow: raise near the body end

Note: If the zoom height does not reach the ideal state, it should be adjusted by combining the "up and down" translation

1. 5. 8. **AI Settings (AI to be perfected)**

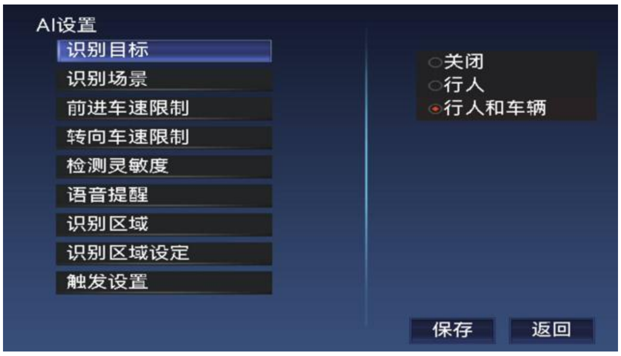
Function description: settings related to the AI function


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
保存
返回

○关闭
○行人
●行人和车辆

recognized target

Functional description: Target identified by the AI


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
保存
返回

○关闭
○行人
●行人和车辆

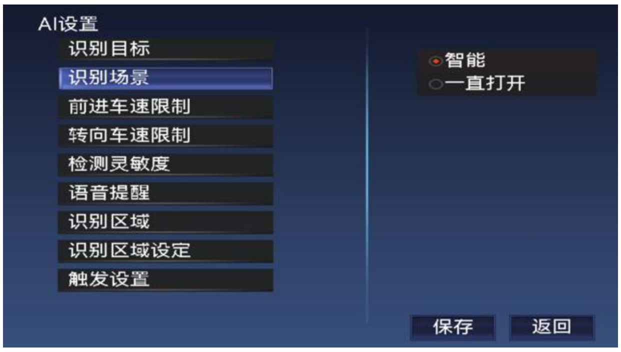
Off: The AI function is off, and the target is not identified

Pedestrian: AI identifies pedestrians, to detect pedestrians in a single view, there will be a corresponding prompt box

Pedestrians and vehicles: The AI identifies pedestrians and vehicles. If a pedestrian or vehicle is detected in a single view, 360 displays the corresponding prompt box in the interface

Identify the scene

Functional description: Mode identified by the AI


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
保存
返回

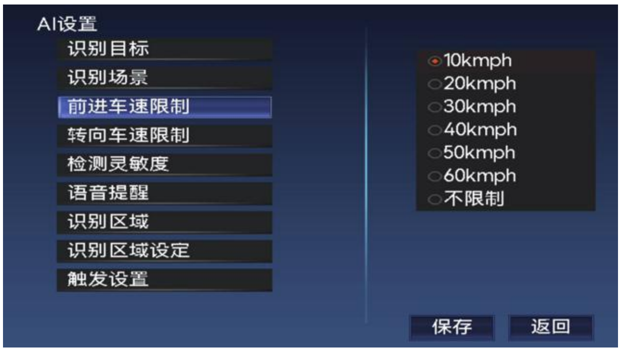
●智能
○一直打开

Intelligence: Intelligent detection

Always open: always detecting

Forward speed limit

Function description: The single view shows the speed limit of the AI detection in the forward view. That is, when the speed exceeds the set value, the forward view AI detection is turned off


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
● 10kmph
○ 20kmph
○ 30kmph
○ 40kmph
○ 50kmph
○ 60kmph
○ 不限制
保存
返回

10 kmph: the speed exceeds 10 kmph, the forward AI detection function is off

20 kmph: the speed exceeds 20 kmph, the forward AI detection function is off

30 kmph: the speed exceeds 30 kmph, the forward AI detection function is off

40 kmph: the speed exceeds 40 kmph, the forward AI detection function is off

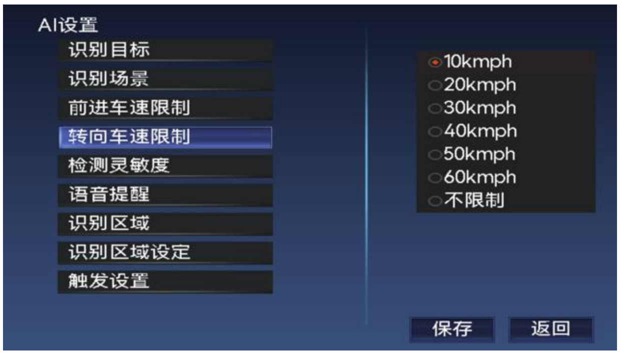
50 kmph: the speed exceeds 50 kmph, the forward AI detection function is off

60 kmph: the speed exceeds 60 kmph, the forward AI detection function is off

No limit: the AI detection is not limited by the speed

Steering speed limit

Function description: The single view is the speed limit of the AI detection during the steering angle. That is, when the speed exceeds the set value, the steering perspective AI detection is off


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
● 10kmph
○ 20kmph
○ 30kmph
○ 40kmph
○ 50kmph
○ 60kmph
○ 不限制
保存
返回

10 kmph: the speed exceeds 10 kmph, the forward AI detection function is off

20 kmph: the speed exceeds 20 kmph, the forward AI detection function is off

30 kmph: the speed exceeds 30 kmph, the forward AI detection function is off

40 kmph: the speed exceeds 40 kmph, the forward AI detection function is off

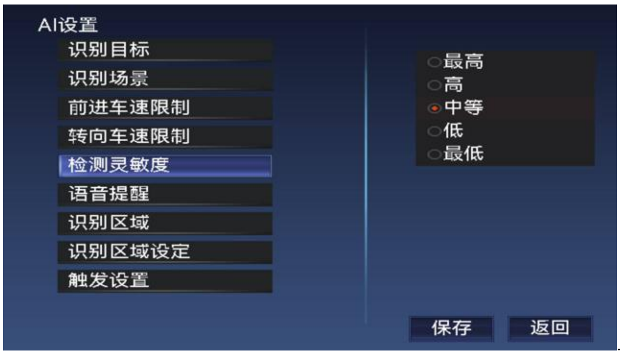
50 kmph: the speed exceeds 50 kmph, the forward AI detection function is off

60 kmph: the speed exceeds 60 kmph, the forward AI detection function is off

No limit: the AI detection is not limited by the speed

detection sensitivity

Functional description: AI detection sensitivity level


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
○最高
○高
●中等
○低
○最低
保存
返回

Highest sensitivity: the highest sensitivity

High: high sensitivity

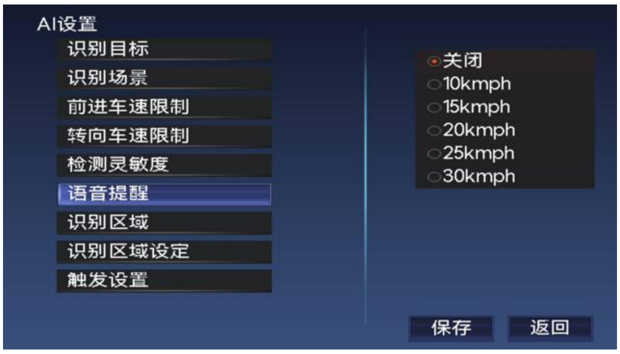
Medium: moderate sensitivity

Low: low sensitivity

Minimum: the lowest sensitivity

Voice reminder

Function description: the speed of voice reminder after the AI recognizes the target. That is, higher than the set speed, after the AI recognition, the voice also does not remind


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
●关闭
○10kmph
○15kmph
○20kmph
○25kmph
○30kmph
保存
返回

Close: Close the voice reminders

10 kmph: below this speed, the AI can recognize the pedestrian or vehicle by voice prompt; above this speed, turn off the voice reminder function

15 kmph: below this speed, the AI can recognize the pedestrian or vehicle by voice prompt; above this speed, turn off the voice reminder function

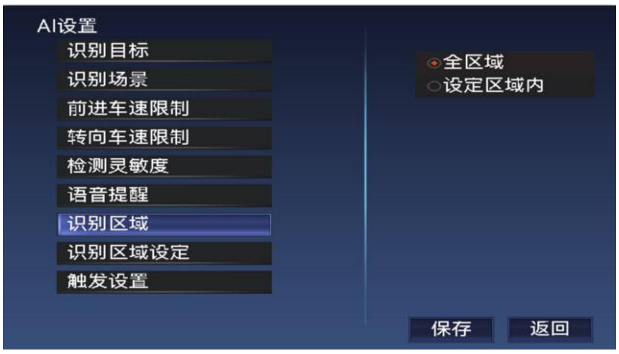
20 kmph: below this speed, the AI can recognize the pedestrian or vehicle by voice prompt; below this speed, turn off the voice reminder function

25 kmph: below this speed, the AI can recognize a pedestrian or vehicle by voice prompt; above this speed, turn off the voice reminder function

30 kmph: below this speed, the AI can recognize the pedestrian or vehicle by voice prompt; below this speed, turn off the voice reminder function

Identify the area

Functional description: Range of AI identification in the single view

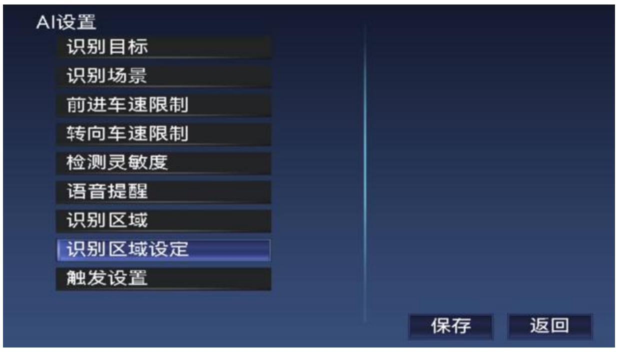

AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
●全区域
○设定区域内
保存
返回

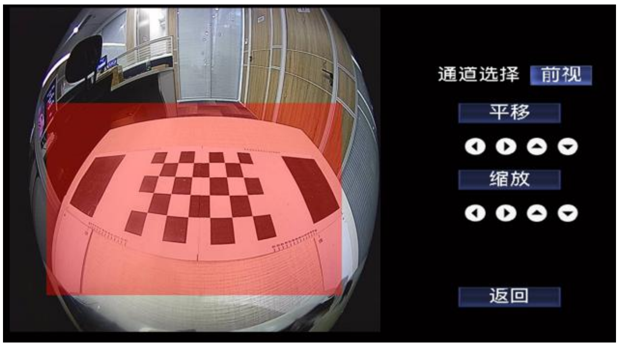
Full region: The AI is detected for the entire single view

Within the set region: the AI is detected only in the set region (Region settings are set in the Identification Region Settings)

Identify area settings

Function description: Set the area where the AI should be detected. This parameter adjustment only takes effect when the Identification Area is set to-Set Area

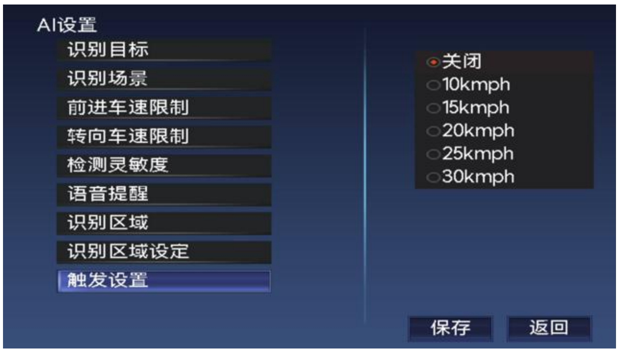

AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
保存
返回


通道选择
前视
平移
缩放
返回

Parameter description: Red projection detects the AI area

Trigger settings

Function Description: When the AI detects the identified target, it actively triggers the switch into 360


AI设置
识别目标
识别场景
前进车速限制
转向车速限制
检测灵敏度
语音提醒
识别区域
识别区域设定
触发设置
● 关闭
○ 10kmph
○ 15kmph
○ 20kmph
○ 25kmph
○ 30kmph
保存
返回

Close: The AI does not actively trigger entry into the 360

10 kmph: When the AI recognizes the target, the speed is lower than the entry 360; above the speed, the AI recognizes the target and will not trigger the entry 360

15 kmph: When the AI recognizes the target, the speed is lower than the entry 360; above the speed, the AI recognizes the target and will not trigger the entry 360

20 kmph: When the AI recognizes the target, the speed is lower than the entry 360; above the speed, the AI recognizes the target and will not trigger the entry 360

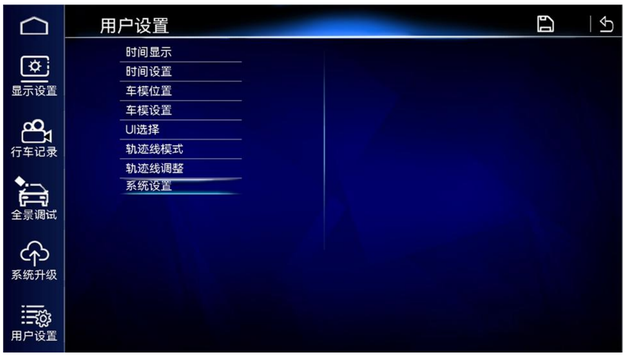
25 kmph: When the AI recognizes the target, the speed is lower than the entry 360; above the speed, the AI recognizes the target and will not trigger the entry 360

30 kmph: When the AI recognizes the target, the speed is lower than the entry 360; above the speed, the AI recognizes the target and will not trigger the entry 360

Note: After the AI triggers the entry into 360, it will not actively exit, but can use other trigger signals to exit. After the remote control or double flash exit, the AI will not actively trigger the obstacle within 2 minutes

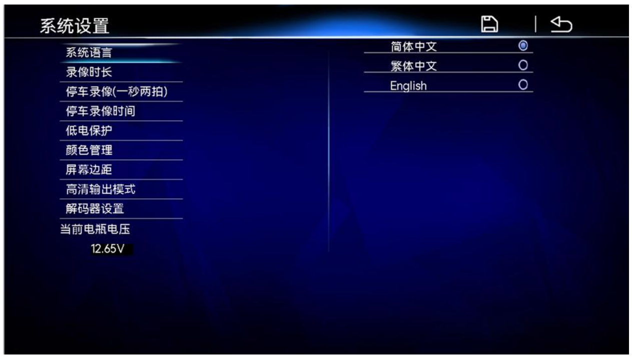
1. 5. 9. System Settings

Select the "System Settings" icon in the main menu interface, and then press the remote control "confirm" key to enter the menu setting item. The setting item interface is shown below:


用户设置
显示设置
行车记录
全景调试
系统升级
用户设置
时间显示
时间设置
车模位置
车模设置
UI选择
轨迹线模式
轨迹线调整
系统设置

SL

Functional description: the type of text displayed in the system.


系统设置
系统语言
录像时长
停车录像(一秒两拍)
停车录像时间
低电保护
颜色管理
屏幕边距
高清输出模式
解码器设置

当前电瓶电压
12.65V

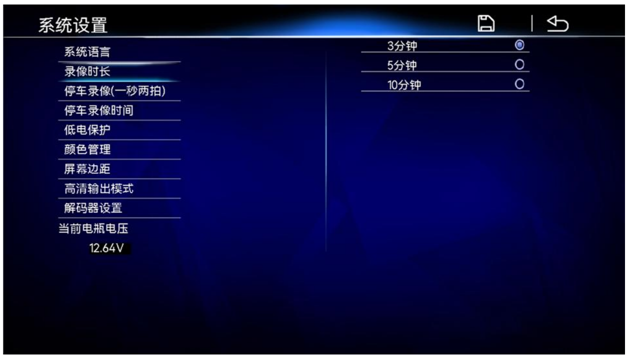
简体中文 ◉
繁体中文 ○
English ○

option:

- simplified Chinese
- traditional Chinese
- English

Video time

Function description: the length of each video when the video file is recorded normally.


系统设置
系统语言
录像时长
停车录像(一秒两拍)
停车录像时间
低电保护
颜色管理
屏幕边距
高清输出模式
解码器设置

当前电瓶电压 12.64V

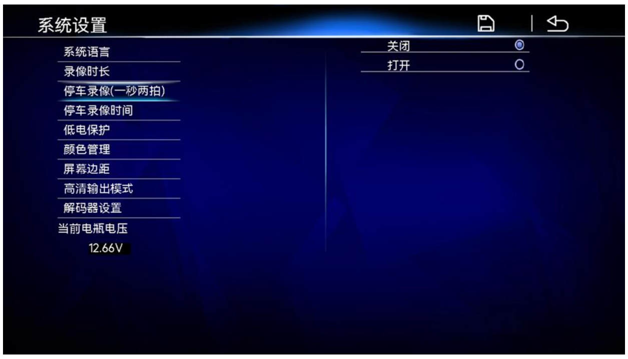
3分钟 ●
5分钟 ○
10分钟 ○

option:

- 3 Minutes
- 5 Minutes
- 10 Minutes

Parking video (two shots per second)

Function description: video file during delayed shutdown, number of photos per unit time (less photos, longer video recording)


系统设置
系统语言
录像时长
停车录像(一秒两拍)
停车录像时间
低电保护
颜色管理
屏幕边距
高清输出模式
解码器设置

当前电瓶电压 12.66V

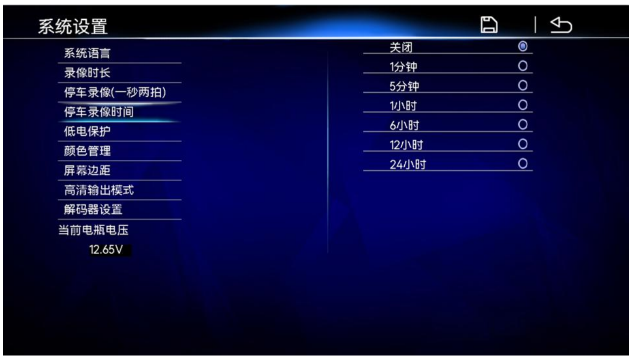
关闭 ●
打开 ○

option:

- Close: record the video in the normal mode
- Open: less photos, also store video long video

Parking video time

Function description: After the car closes the ACC, extend the video time (after the Acc is off, it is necessary to provide the host for B + to support the parking video)


系统设置
系统语言
录像时长
停车录像(一秒两拍)
停车录像时间
低电保护
颜色管理
屏幕边距
高清输出模式
解码器设置

当前电瓶电压 12.65V

关闭 ●
1分钟 ○
5分钟 ○
1小时 ○
6小时 ○
12小时 ○
24小时 ○

option:

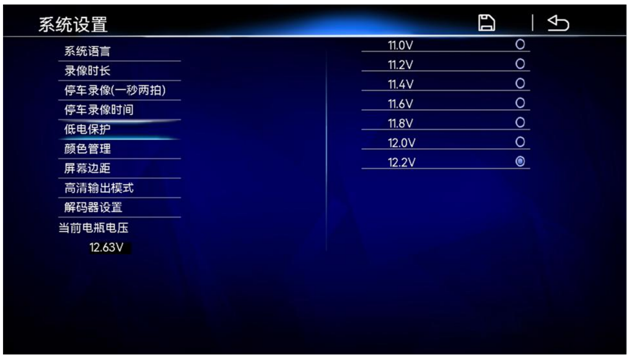
- Closed: After closing the ACC, the system detects that the ACC is closed and turned off

- 1 minute: After closing the ACC, the system detects that the ACC is closed, and then videos for 1 minute before shutting down
- 5 minutes: After the ACC is turned off, the system detects that the ACC is closed, and then videos for 5 minutes before shutting down
- 1 hour: After the ACC is turned off, the system detects that the ACC is closed, and then videos for 1 hour before shutting down
- 6 hours: After closing the ACC, the system detects that the ACC is closed, and then videos for 6 hours before shutting down
- 12 hours: After turning off the ACC, the system detects that the ACC is off, and then videos for 12 hours
- 24 hours: After closing the ACC, the system detects that the ACC is closed, and then records again for 24 hours

Note: Turn on the delay shutdown, which may cause the car battery loss, please set it carefully

Low power protection

Function description: After the car turns off ACC, when the parking video is opened, the system detects that the battery voltage is lower than the set value, and automatically stop the recording and shut down



11.0V ○
11.2V ○
11.4V ○
11.6V ○
11.8V ○
12.0V ○
12.2V ●

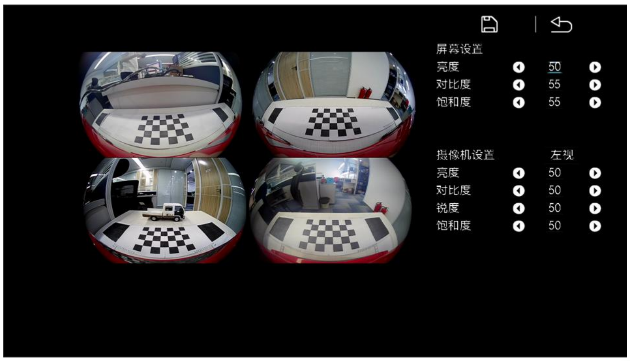
当前电瓶电压
12.63V

- 11.0V: When the voltage is lower than 11.0V, stop the parking recording and shut down
- 11.2V: When the voltage is lower than 11.2V, stop the parking recording and shut down
- 11.4V: When the voltage is lower than 11.4V, stop the parking recording and shut down
- 11.6V: When the voltage is lower than 11.6V, stop the parking recording and shut down
- 11.8V: When the voltage is lower than 11.8V, stop the parking recording and shut down
- 12.0V: When the voltage is lower than 12.0V, stop the parking recording and shut down
- 12.2V: When the voltage is lower than 12.2V, stop the parking recording and shut down

Note: Considering the voltage loss of the actual line loss is different (general line loss is 0.3V), the specific low electric protection value is subject to the spot test, please set it carefully

Color management

Function description: a setting item to adjust the 360 video display and color parameters



屏幕设置
亮度 50
对比度 55
饱和度 55

摄像机设置 左视
亮度 50
对比度 50
锐度 50
饱和度 50

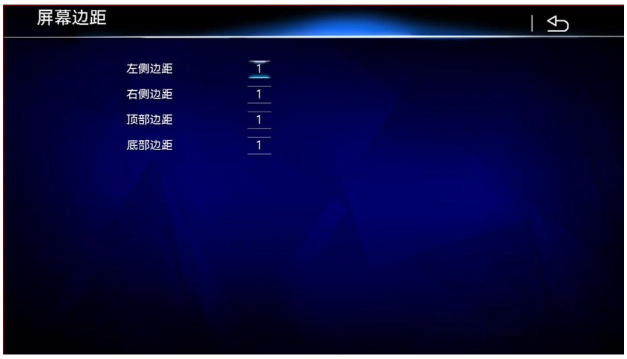
Screen setting: the setting item to adjust the color parameters of the entire 360 display interface

Camera setting: a setting item to adjust the color parameters of a specific view (front, back, left and right)

Note: Digital camera can only set screen parameters, do not support camera parameter adjustment

Screen margin

Function description: to reduce the display range of the output video image

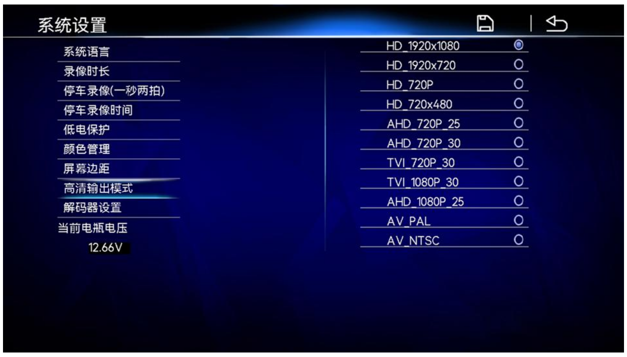


左侧边距 1
右侧边距 1
顶部边距 1
底部边距 1

Description: Standard output of the current resolution when the margin is "1". The larger the number, the larger the margin

HD output mode

Function description: Set the standard of output video (resolution)

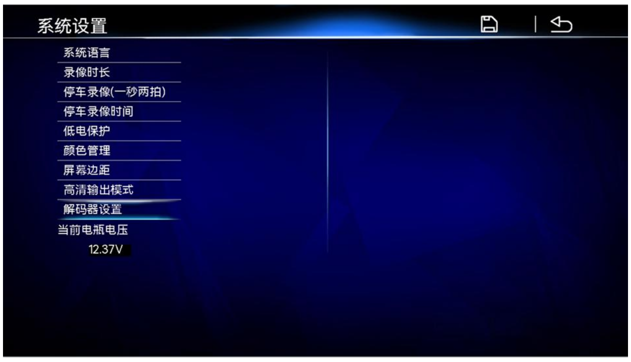

系统设置
系统语言
录像时长
停车录像(一秒两拍)
停车录像时间
低电保护
颜色管理
屏幕边距
高清输出模式
解码器设置

当前电瓶电压 12.66V

HD_1920x1080 ●
HD_1920x720 ○
HD_720P ○
HD_720x480 ○
AHD_720P_25 ○
AHD_720P_30 ○
TVI_720P_30 ○
TVI_1080P_30 ○
AHD_1080P_25 ○
AV_PAL ○
AV_NTSC ○

Decoder settings

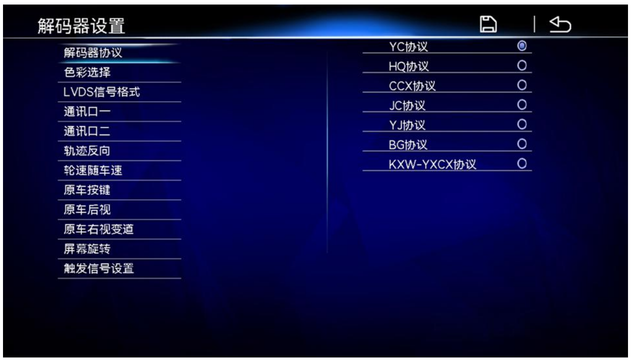
Function description: the 360 set item related to the decoder


系统设置
系统语言
录像时长
停车录像(一秒两拍)
停车录像时间
低电保护
颜色管理
屏幕边距
高清输出模式
解码器设置

当前电瓶电压 12.37V

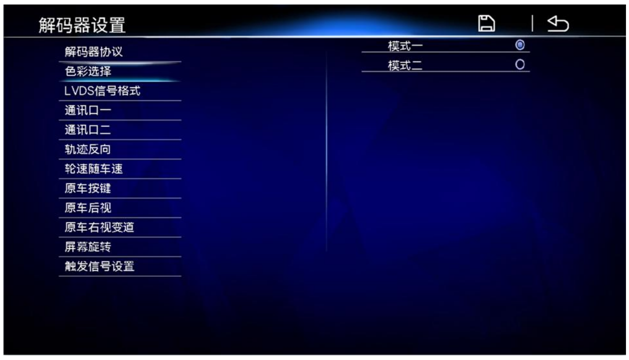
1.1.1.1.1. Decoder protocol

Function description: the variable interface, the protocol type of 360 serial port communication.


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置
YC协议 ●
HQ协议 ○
CCX协议 ○
JC协议 ○
YJ协议 ○
BG协议 ○
KXW-YXCX协议 ○

1.1.1.1.2. Color selection

Function description: Engineering Settings menu, options for 360 color mode


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置
模式一 ●
模式二 ○

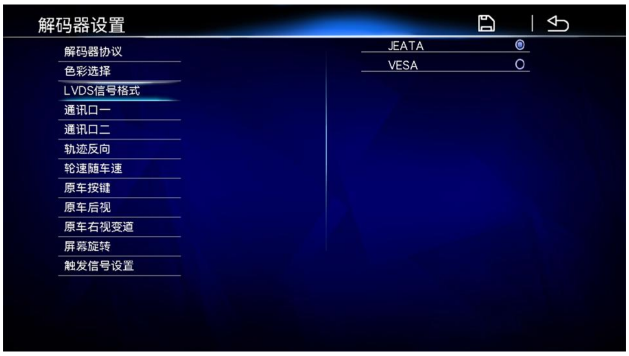
Mode 1: YUV output

Mode 2: RGB output

Note: Non-engineering personnel agree, and the modification is prohibited

1.1.1.1.3. LVS signal format

Function description: 360 video output LVDS signal format, different criteria

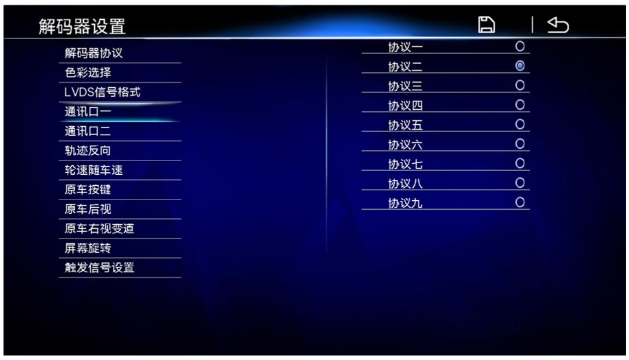

解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置
JEATA ●
VESA ○

JEATA: LVDS signal format, JEATA standard

VESA: LVDS signal format, VESA standard

1.1.1.1.4. Communication port (i. e. 32 PIN power cord communication port with the same interface)

Function description: 32 PIN interface, the protocol type of 360 serial port communication


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置
协议一 ○
协议二 ●
协议三 ○
协议四 ○
协议五 ○
协议六 ○
协议七 ○
协议八 ○
协议九 ○

Agreement 1: Wing enjoy smooth travel

Agreement 2: Bag, Wing Enjoy, Core Smart Code, Shengshi America, DeV, Dev, Luxury Car maker, China Aerospace Wing, onghang, Juchuang Zhailian

Agreement 3: Core wisdom code

Agreement 4: Vitch 1

Agreement 5: Vitch 2

Agreement 6: Rui Zhicheng

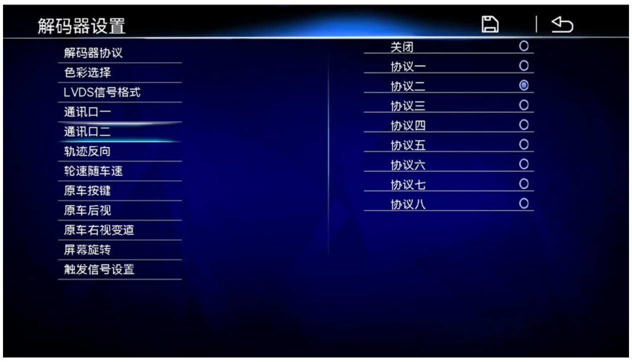
Agreement 7: Xiao Feida

Agreement 8: Customized protocol

Agreement 9: Customized protocol

1.1.1.1.5. Communication port 2 (VGA interface)

Function description: VGA port communication protocol setting


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置
关闭 ○
协议一 ○
协议二 ●
协议三 ○
协议四 ○
协议五 ○
协议六 ○
协议七 ○
协议八 ○

Turn Off: Turn off the communication with the VGA decoder

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Agreement 3: Core wisdom code

Agreement 4: Vitch 1

Agreement 5: Vitch 2

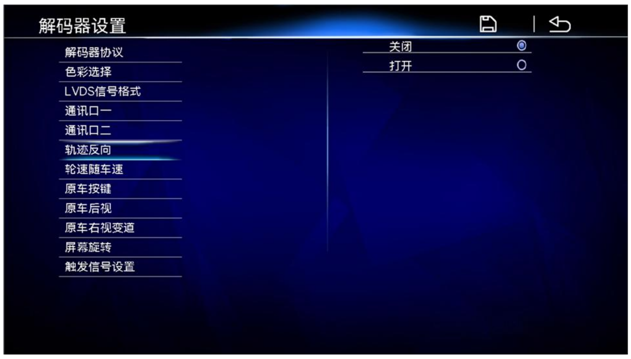
Agreement 6: Rui Zhicheng

Agreement 7: Xiao Feida

Agreement 8: Customized protocol

1.1.1.1.6. Track reverse

Function description: When the left and right steering direction of the steering wheel issued by the decoder is not consistent with the actual situation, it will affect the direction of the panoramic view track line swing. The parameters can be selected to correct the opposite direction


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置

关闭 ●
打开 ○

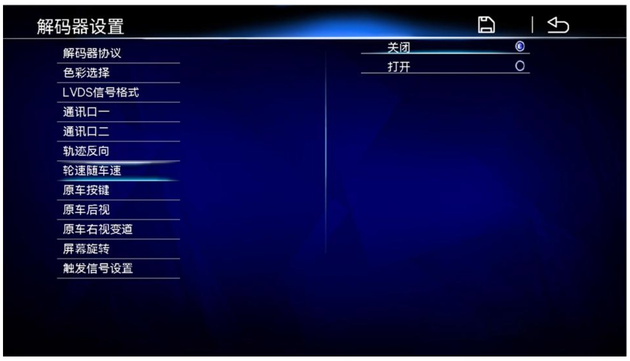
option:

close

open

1.1.1.1.7. Wheel speed with speed

Function description: Panoramic picture of the switch of the wheel rotation with the speed


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置

关闭 ●
打开 ○

option:

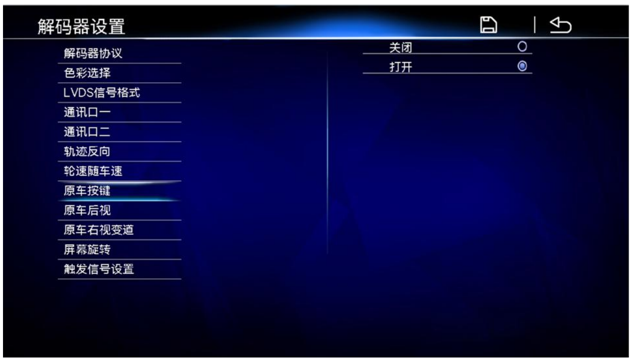
close

open

Note: This function requires the decoder to obtain the speed information

1.1.1.1.8. Original car button

Function description: After the original car button and touch response 360 switch, 360 does not respond to the original field button and touch operation


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置

关闭 ○

打开 ●

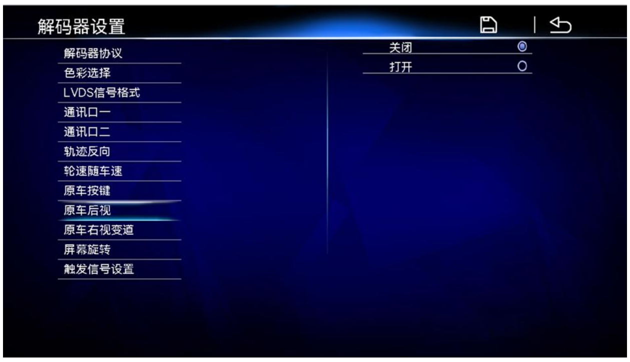
option:

open

close

1.1.1.1.9. The original car look back

Function description: reverse the original car rear, or switch to 360 rear


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置

关闭 ●

打开 ○

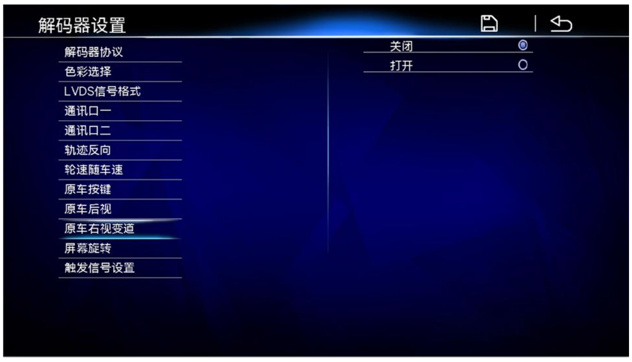
option:

open

close

1.1.1.1.10. The original car changed lanes on the right

Function description: The original car supports right view display, the switch is steering switch the original car right or 360 rear view


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置
关闭 ●
打开 ○

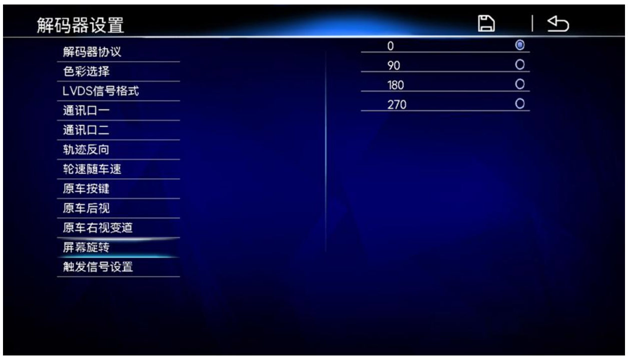
option:

open

close

1.1.1.1.11. Screen rotation

Function description: the setting item of the video rotation angle output by 360


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置
0 ●
90 ○
180 ○
270 ○

option:

0: that is, there is no rotation

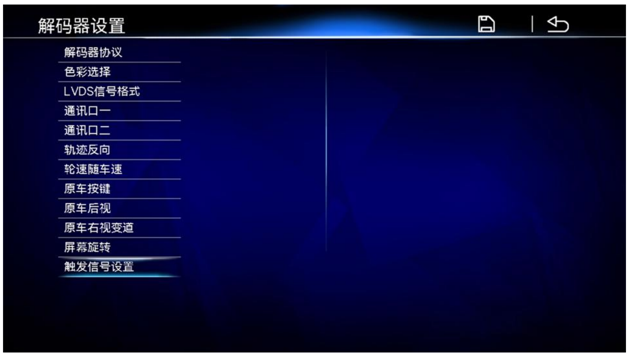
90: rotate clockwise for 90°

180: That is, rotate for 180°

270: that is, a 90° counterclockwise rotation

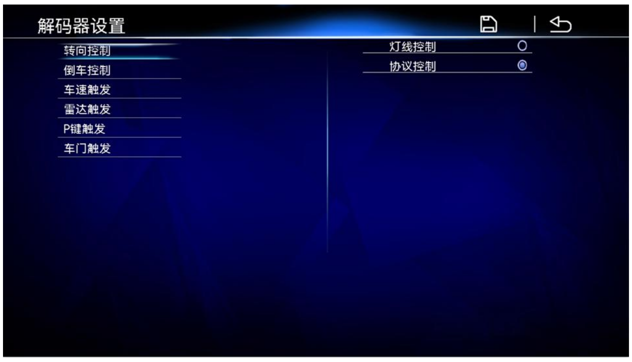
Trigger signal settings

Function description: trigger the control signal


解码器设置
解码器协议
色彩选择
LVDS信号格式
通讯口一
通讯口二
轨迹反向
轮速随车速
原车按键
原车后视
原车右视变道
屏幕旋转
触发信号设置

1.1.1.1.12. steering control

Function description: Control mode of the steering trigger


解码器设置
转向控制
倒车控制
车速触发
雷达触发
P键触发
车门触发

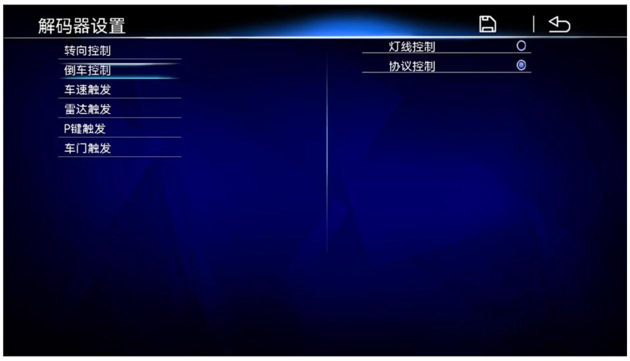
灯线控制 ○
协议控制 ●

Light line control: 12V voltage trigger

Protocol trigger: the decoder sends the steering protocol signal trigger

1.1.1.1.13. Reverse control

Function description: Back-up trigger control mode


解码器设置
转向控制
倒车控制
车速触发
雷达触发
P键触发
车门触发

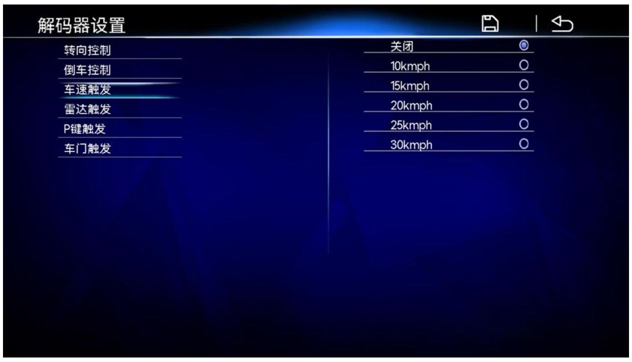
灯线控制 ○
协议控制 ●

Light line control: 12V voltage trigger

Protocol trigger: the decoder sends the reverse protocol signal to trigger

1.1.1.1.14. Speed trigger

Function description: Low speed actively triggers the setting item into 360


解码器设置
转向控制
倒车控制
车速触发
雷达触发
P键触发
车门触发

关闭 ●
10kmph ○
15kmph ○
20kmph ○
25kmph ○
30kmph ○

Off: The speed does not actively trigger entry into 360

10 kmph: After selecting this option, when the speed exceeds the speed and then falls below the speed, it can both actively trigger the entry 360, and when the speed is exceeded again, it can actively exit 360

15 kmph: After selecting this option, when the speed exceeds the speed and then falls below the speed, it can actively trigger the entry 360, and when the speed is exceeded again, it will actively exit 360

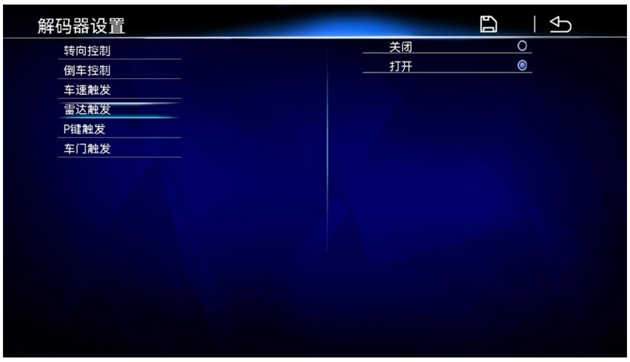
20 kmph: After selecting this option, when the speed exceeds the speed and then falls below the speed, it can both actively trigger the entry 360, and when the speed is exceeded again, it can actively exit 360

25 kmph: After selecting this option, when the speed exceeds the speed and then falls below the speed, it can both actively trigger the entry 360, and when the speed is exceeded again, it can actively exit 360

30 kmph: After selecting this option, when the speed exceeds the speed and then falls below the speed, it can both actively trigger the entry 360, and when the speed is exceeded again, it can actively exit 360

1.1.1.1.15. Radar trigger

Function description: Can the radar signal reaches a certain level to trigger the setting item of entering 360



关闭 ○

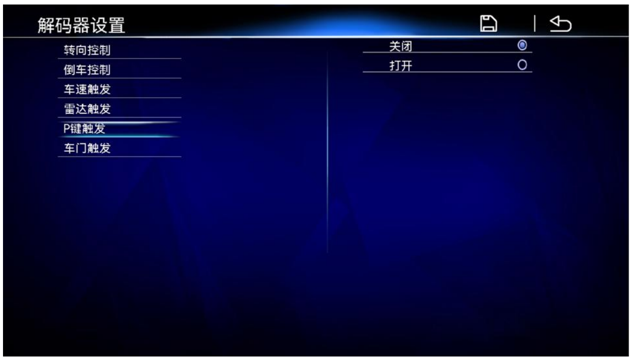
打开 ●

Off: The radar signal cannot trigger entry into 360

Open: when the radar signal reaches a certain level (with radar color block), it can actively trigger into 360

1.1.1.1.16. P key trigger

Function description: The original car P key button triggers the control switch entering 360 (non-parking P key)



关闭 ●

打开 ○

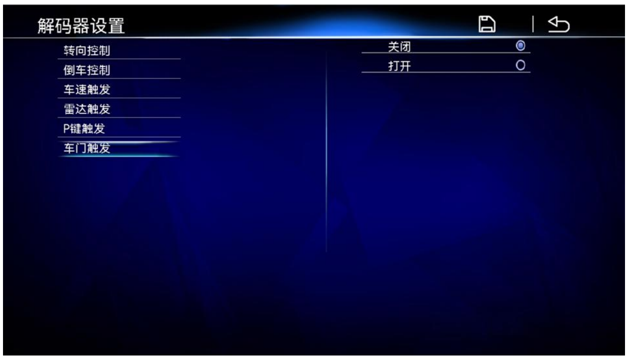
option:

close;

open

1.1.1.1.17. Door trigger

Function Description: the control switch after the door closing and open actively triggers into 360


解码器设置
转向控制
倒车控制
车速触发
雷达触发
P键触发
车门触发

关闭 ●

打开 ○

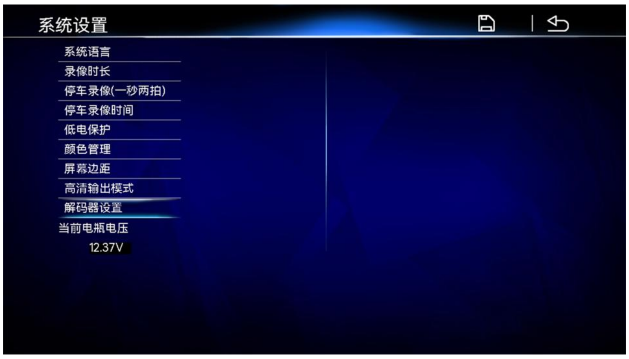
option:

close;

open

1. 5. 10. Current battery voltage

Function description: Voltage of 360 B + (to set low voltage protection valve)


系统设置
系统语言
录像时长
停车录像(一秒两拍)
停车录像时间
低电保护
颜色管理
屏幕边距
高清输出模式
解码器设置

当前电瓶电压

12.37V

FCC Caution.

(1)§ 15.19 Labelling requirements.

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.

§ 15.21 Changes or modification warning

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

§ 15.105 Information to the user.

Note: 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.

RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.