

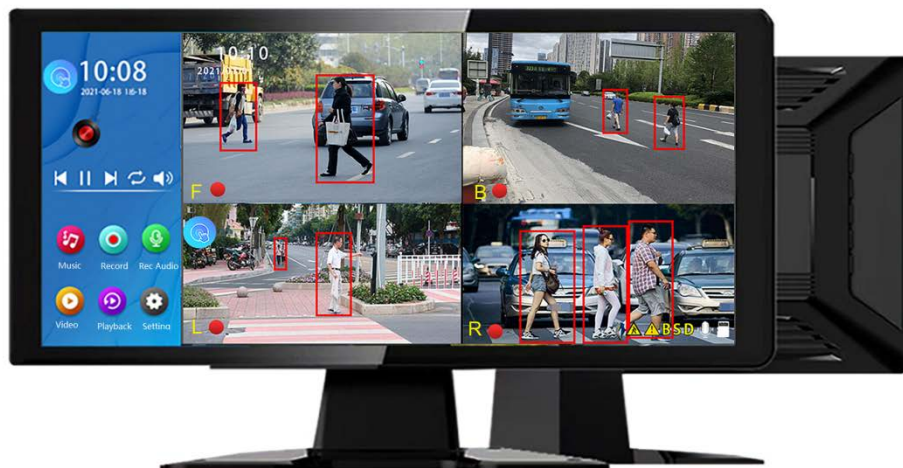
**BSD-two ways and four ways Truck  
blind area early warning system,  
multimedia monitoring machine**

**product specification**

Two roads, four roads Truck blind area early warning system,  
multimedia monitoring machine

## 一、 Product overview

### 10.1-Four-BSD-multimedia-MP5-voice-sound-light alarm







BSD two-way, four-way truck blind area early warning system, multimedia monitoring machine By installing in the body / external 2-4 wide-angle camera, in the song can collect images around the image, real-time transmission to the all-in-one machine, the pedestrian warning by reminding car outside pedestrians at the same time, with the help of this system can remind the drivers and pedestrians at the same time, active safety warning can also intuitively see the obstacles around the vehicle and pedestrians, effectively reduce scraping, collision, fall, etc. This product can record all the driving pictures to avoid "scraping porcelain" disputes.


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## 二、 Product composition list

### Product accessories list

name	graphic	explain	quantity
main engine		10.1 (1024 * 600) or 10.36 HD display (1600 * 720) / 4 camera interface, left / right / rear steering signal, B + / GND / ACC power signal interface, one line	1
camera		AHD HD (720P / 1080P optional) / no light / aviation head	2-4
Camera extension cord A		Front left and right view / 3 m / aviation head / band shielding / belt steering signal	1-4
Camera extension cord B		Backsight / 15 m / aviation head / band shield / band steering signal	1-2
built-in fitment		Multi-way adjustment bracket, with screw suspension (optional)	1
Fixed base		Base support, fixed to the driver (optional)	1

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audible and visual alarm		Acoustic and light alarm to alert the layman (optional)	1-2
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### 三、Product Parameter

Project	Function Introduction	Performance index
system	Operating language	Simplified/English/Traditional/Multi language (optional)
	Operation interface	Graphical menu operations
	Operation mode	Keys/Touch (optional)
Video input	Video input	2/4-way AHD high-definition video input 720P (default)/1080P/720N/1080N
		5-way AHD high-definition video input 720P (default) - USB 720P front camera
	Recording method	Default boot recording, no seconds missed, 30 seconds no operation, automatically return to the recording interface to perform recording
	Recording format	2K, TS, 4-way video saved separately, front, back, left, right, park, 5-way side
video display	real-time display	10.1 High definition IPS screen, 1024 * 600;
		10.36 high-definition IPS screen, 1600 * 720
	video display	Multi view display mode/split screen mode
	Local playback	Play locally, view at any time, or select the playback button

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	Display protection	Can be set to 1 minute/5 minutes/off
Trigger display	Trigger display	Automatically switch to the corresponding camera's large screen perspective
Record storage	SD card	Class10 U1 or above, minimum 64GB, maximum support 256GB
Audio	microphone	Support microphone recording, menu can be set to off
	Voice control	Supports voice control with multiple voice commands (note: external noise may affect the voice control effect)
Power	Power input	Working voltage 24V, with power protection circuits for vehicle level surges, overloads, overvoltage, undervoltage, short circuits, etc., suitable for various vehicle power environments
	Engine detection	ACC detection line
Overall power consumption	Engine detection	ACC detection line
	2/4 channel recording	Less than 10W (screen display, 2/4 cameras recording)
	working temperature	-20~65 degrees
Other	Heat dissipation method	Passive heat dissipation
	Reverse line	Manually adjustable calibration
	Video duration	Video recording duration can be set
	Channel trigger	Turn signal delay can be set

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	delay	
	Image mirroring/flipping	Four screens support mirrored display, flip display, and menu settings
	Plate set	support
	time setting	Support
	Parking monitor	set turn off 1/2/5/10 hours
	GUI style	Multimedia/concise mode options
Active safety warning system	Pedestrian detection	Front (switch), rear (switch, reverse trigger switch)
		Left (switch, left turn trigger switch)
		Right (switch, right turn trigger switch)
	Pedestrian detection alarm	Off, 2 seconds, 4 seconds, 6 seconds optional
	AI intelligent oil theft prevention	Off, left or right options
	audible and visual alarm	Alarm 1: Front, rear, left, right, and 4-channel options
Alarm 2: Front, rear, left, right, and 4-channel options		

## 四、SD card specification requirements

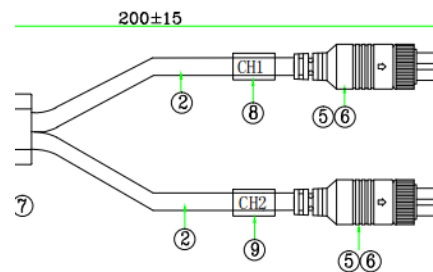
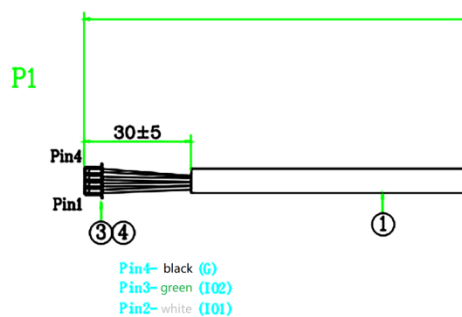
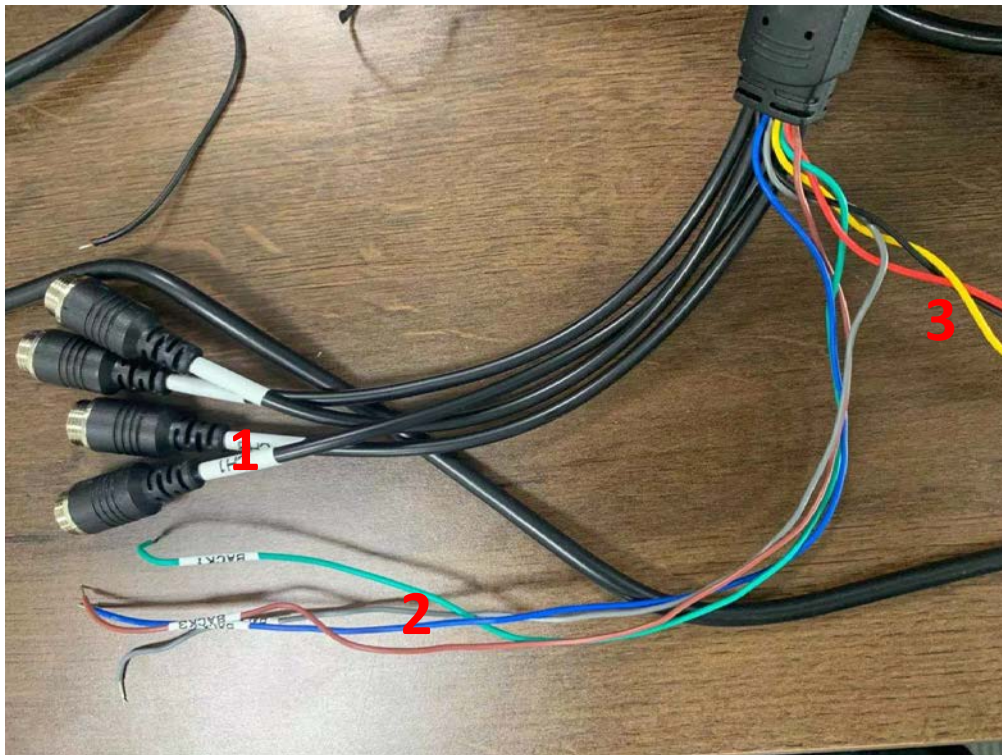
The quality of SD card has a great impact on the stability of video. In order to record video safely, please choose big brands such as Sandcard, Kingston, Toshiba and Samsung. Speed certification should reach at least

Class10 / U1

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## 五、The wiring instructions



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The details are given as follows:

NO	interface	Interface Description
1	2-4 cameras	Connect the camera according to the number on the line; CH1 (front); CH2 (rear); CH3 (left); CH4 (right);
2	3 trigger cable	Connect a trigger signal source of 10~36V, such as reverse/turn signal lights
3	Power cable	ACC/B+/GND; With fuse;
4	Sound alarm speaker	2CH CH1,4CH CH1/CH2
5	4PIN terminal	Connected to the motherboard power supply and sound and light IO

## 六、 Camera installation

Left and right side camera:

- 1、 Position the drill hole, find the appropriate installation position under the rearview mirror or horizontal bar, mark it with a pen and drill the



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right sized screw hole.



2、 Remove mounting pieces and reverse.



3、 Install under the rearview mirror or crossbar and tighten the  
component screws.

4、 Install under the rearview mirror or crossbar and tighten the  
component screws.



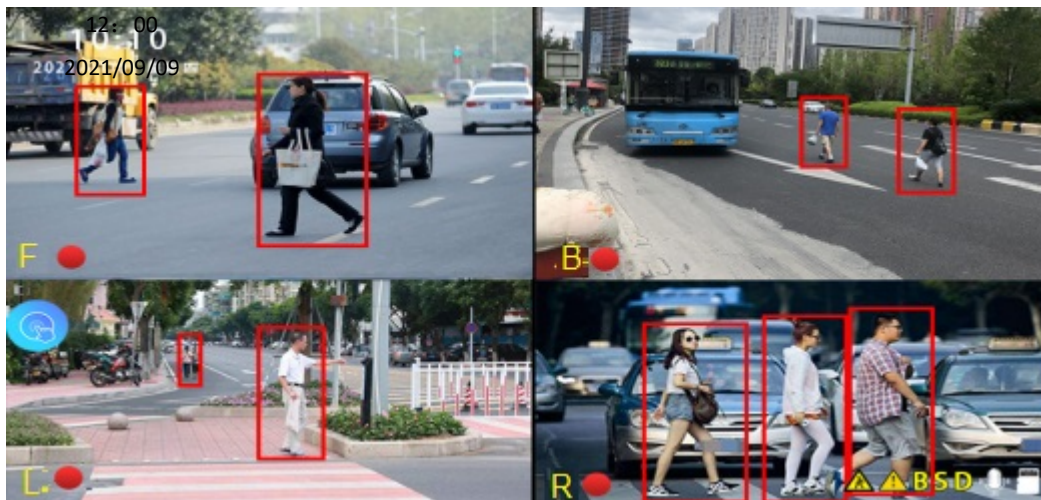
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## 七、Interface description

### 1、Video main interface



7 inch / 10.1 inch



10.1

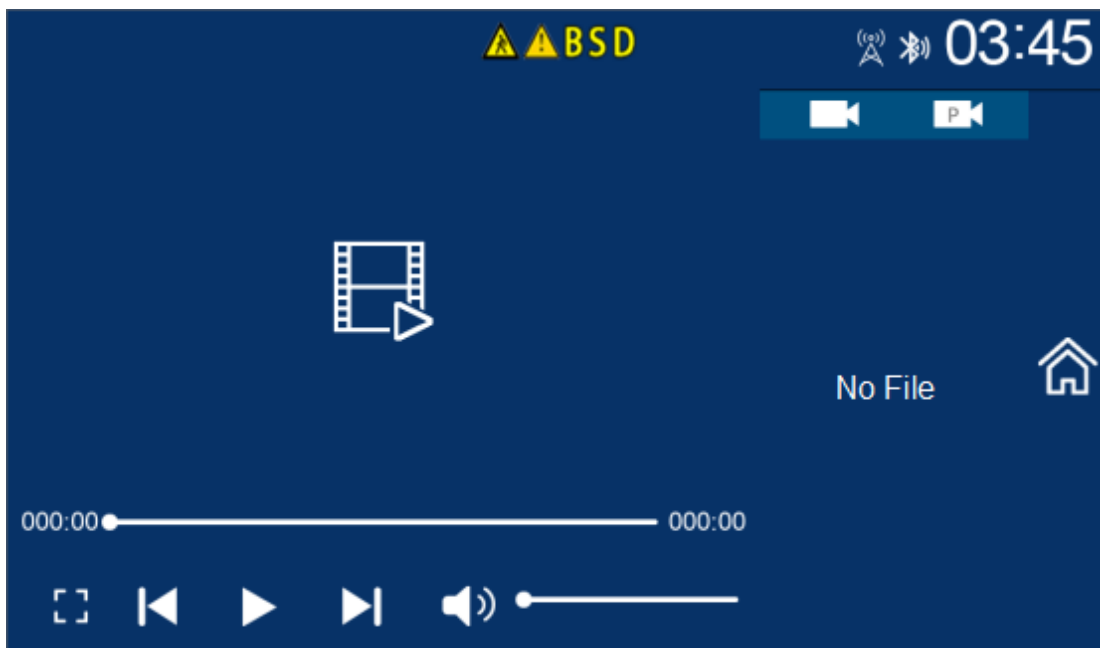
As shown in the picture above, four-way camera images will be displayed on the main page. When an SD card is inserted, the system automatically enters the video mode. When the recording, the red dot will flash. After opening the pedestrian detection, you can choose different channels for

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pedestrians, blind area detection and alarm, remind the driver in the car,  
and remind the layman of the car at the same time.

### A、 playback

Long press V1 / V2 to enter the playback interface (7 inches /  
10.1/10.36)

Enter the local video video playback interface:



Select the video file to play from the right menu and enter the video  
playback.

For playback, click the V1 / V2 icon to enter full screen playback / exit full  
screen playback

### B、 sound control

Support voice control, four-way voice command list: (10.1/10.36)

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**Open the screen, close the screen, display the record, display the  
record**

**Show the left record, display the right record shows the main  
interface**

Support voice control, five-way voice command list: (10.1/10.36)

**Open the screen, close the screen, display the record, display the  
record**

**Left recording, right recording, and side recording showing the main  
interface**

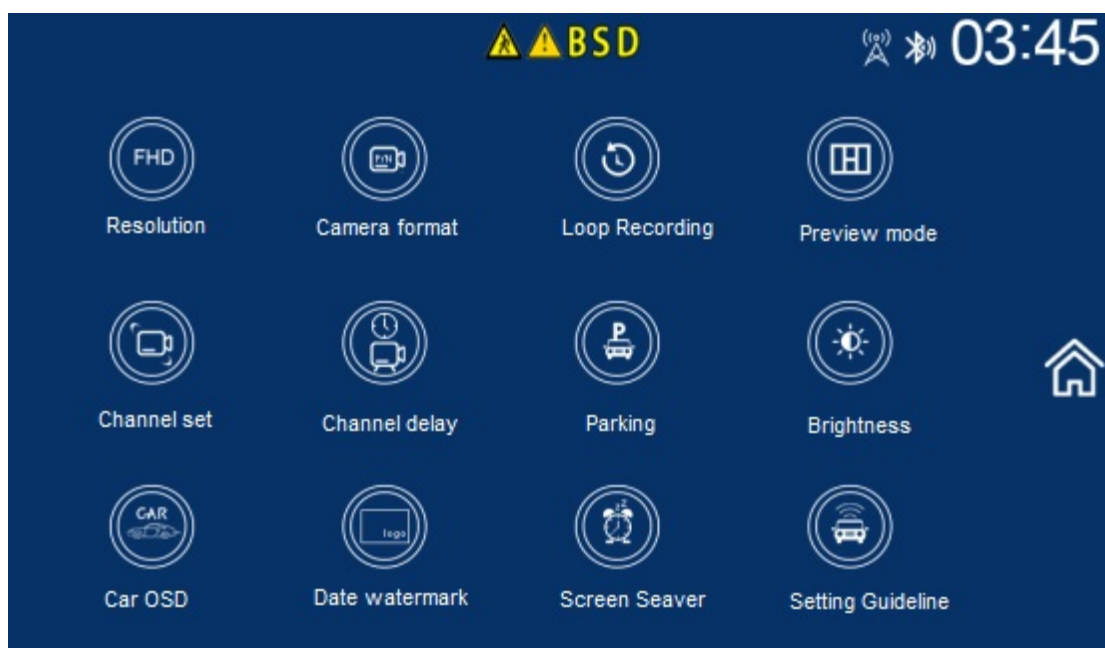
### **C、 set up**

(7-inch / 10.1/10.36)

Click MENU to enter the Settings option and enter the System Settings  
interface:

## **2、 System Settings**

After entering the System Settings interface, the following functions can  
be operated:



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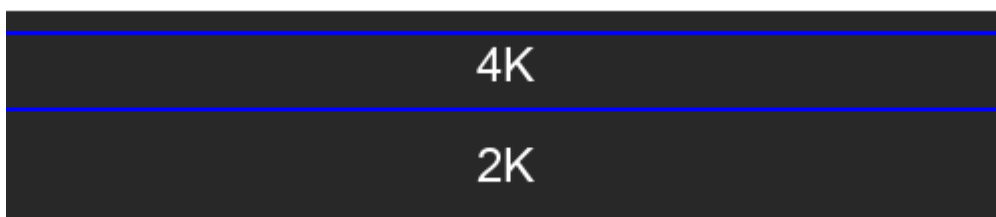


### A. Video resolution



pitch on Enter the video resolution: :

Resolution selection: 2K / 4K System default 4K



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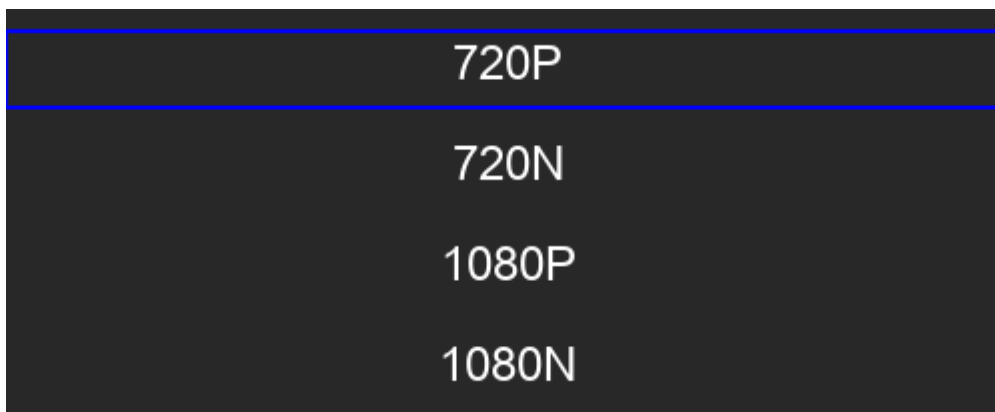
## B. Camera system



pitch on Enter the camera system settings:

Time can be chosen: 720P/720N/1080P/1080N

System default 720P



## C. Circulating video

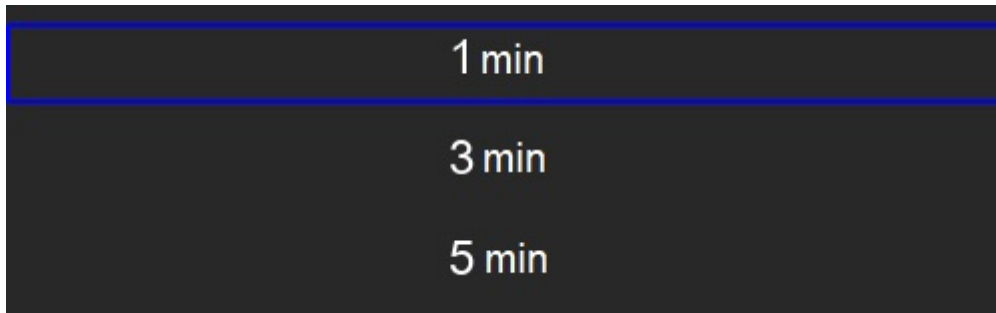


pitch on Settings for entering the loop video time:

Time is available: 1 min / 3 min / 5 min

The system defaults to 1 minute

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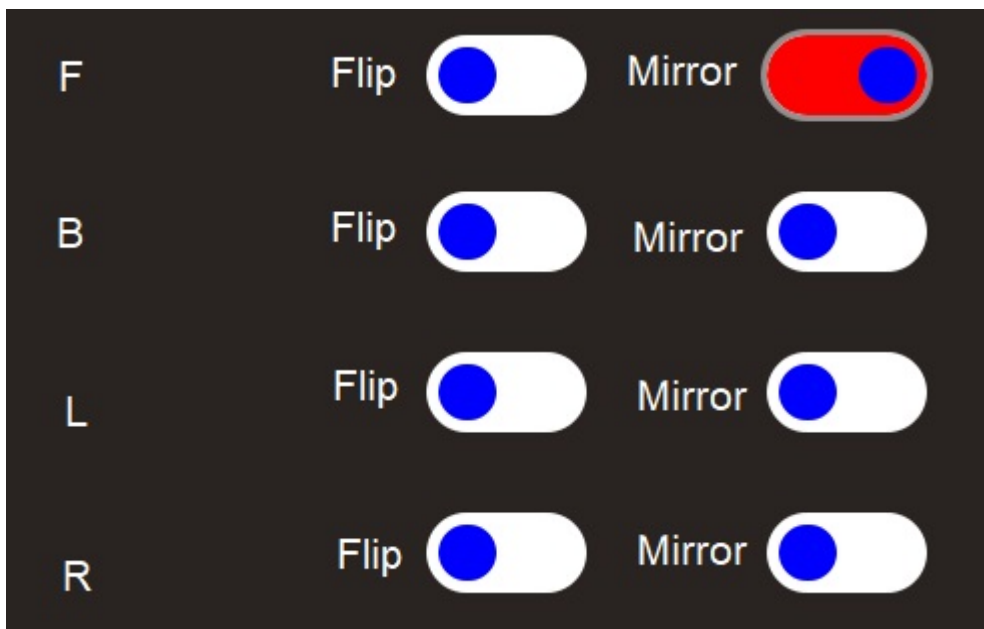


#### D. Channel Settings



pitch on Channel Settings:

The system can check the operation of "flip" and "mirror" on the front / rear / left / right camera respectively and select the desired camera, and check confirmation. This option allows customers the flexibility to install the camera.



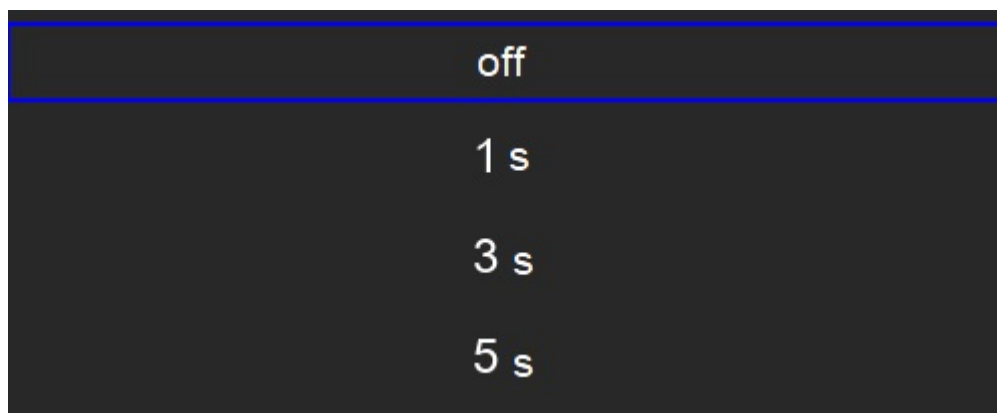
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### E、Channel delay



pitch on Enter the setting:

The system can delay the delay change after the left, right and rear camera trigger. Optional off, 1 / 3 / 5 second The system defaults for 3 seconds



### F、Parking monitoring



pitch on Enter the setting:

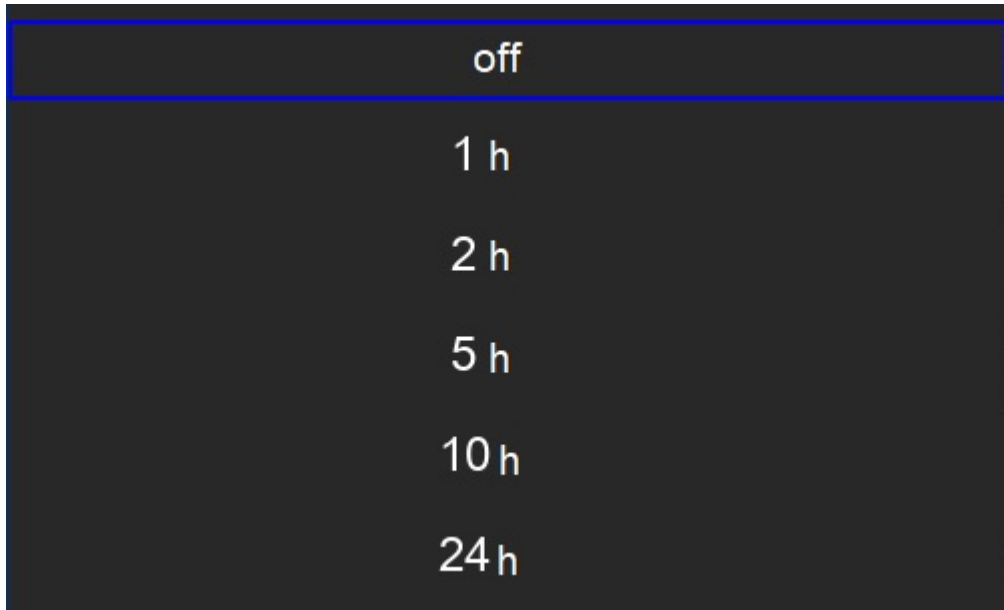
After the vehicle is stalled, the machine can conduct parking surveillance video, optional off, 1 / 2 / 5 / 10 / 24 hours. After this function is turned on, the system will continue to keep the corresponding time after the car is stalled (ACC power loss).

The system is closed by default

**Note: This function cannot be used when the car battery is completely powered off**



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#### G、 screen intensity



pitch on Enter Settings: Select the screen brightness: high,  
medium, and low



#### H、 License plate watermarking and time watermarking



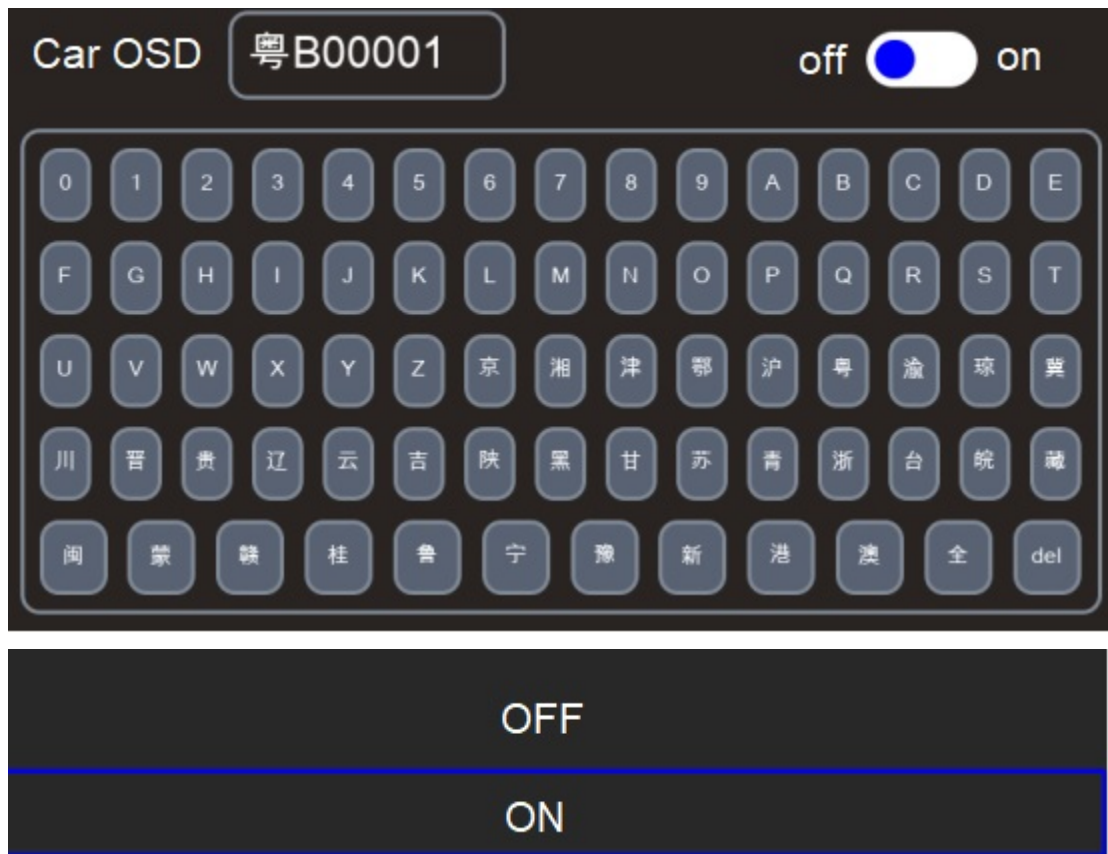
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Select Enter Settings:

Enter the corresponding license plate number, such as: Yue A88888

Confirm the save settings, in the video file watermark, will automatically  
display the corresponding license plate number.

Time watermark will also be in the video file watermark, optional on / off



## I、Screen protection



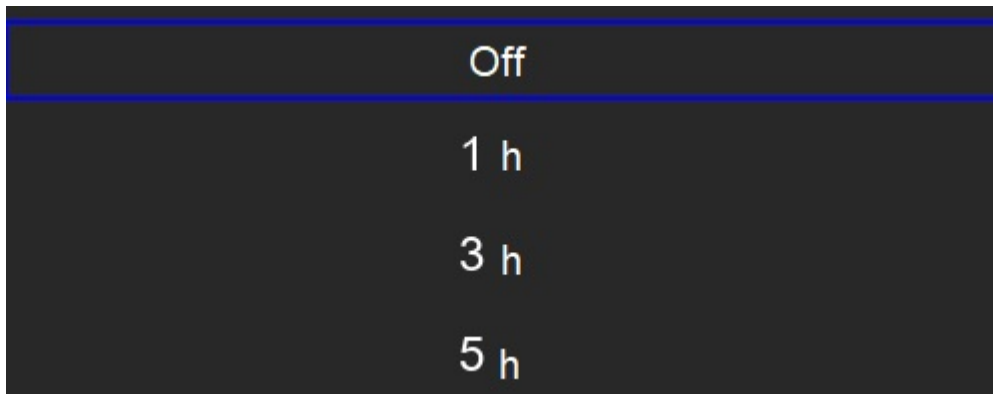
pitch on “ ”Enter the setting:

The screen saver can be set to: off / 1 / 3 / 5 minutes

When setting 1 minute or 5 minutes, the system has no operation  
corresponding time, the screen will automatically extinguish

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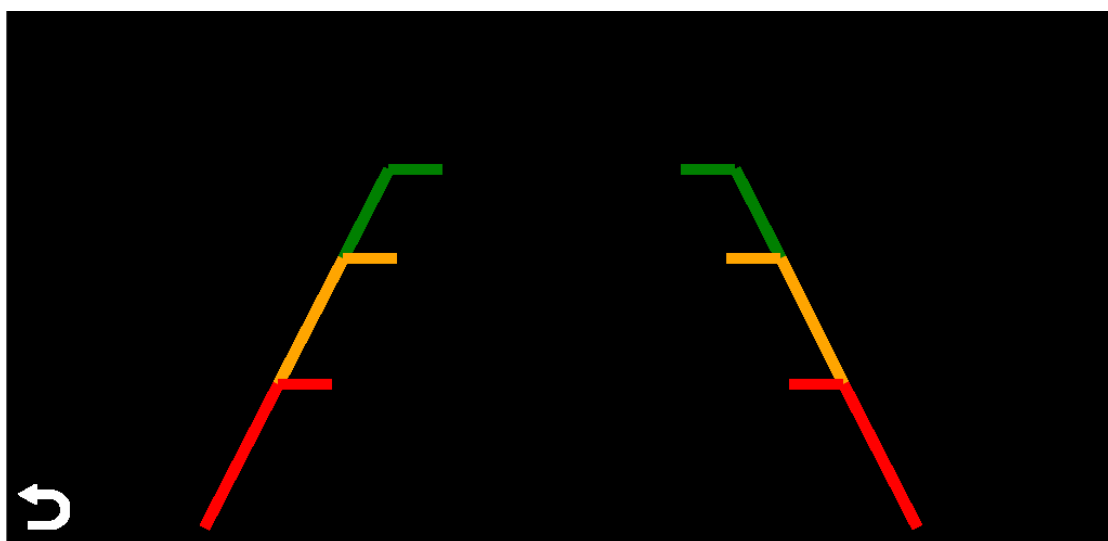
After entering the screensaver, press the power button to light up the  
screen. Default: Close



#### J、 Reverse line calibration



pitch on "Access Settings: park the car in the middle of the  
parking space click / long press "+ -" to adjust the position of the reversing  
assist line, so that the reversing assist line is horizontal to the parking line  
on the left side of the ground. After adjusting the reversing line, then return  
to it.



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### K、 speech sounds

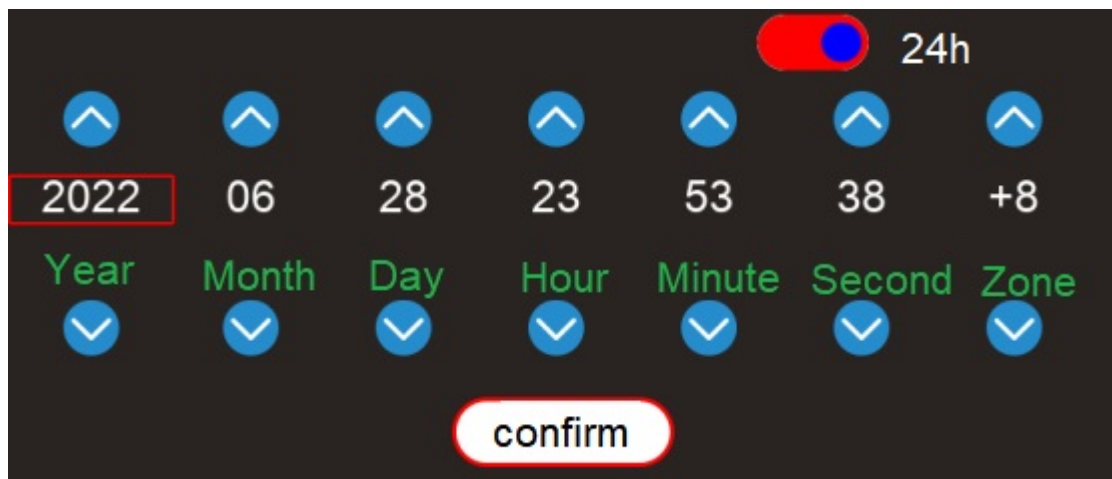


pitch on “ ”Enter the setting of optional Chinese / English /  
traditional Chinese and other multinational languages

### L、 Time setting



pitch on “ ”Enter Settings: Set respectively: year / month /  
day / hour / minute / second



### M、 Keystroke tone and video recording sound



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Select off or open.

#### **N、 voice operated switch**



Select off or open. Displays the voice entry

#### **O、 Interface style**



pitch on“ ”pitch on:

Optional multimedia mode / simplicity mode.

#### **P、 Pedestrian detection**



pitch on“ ”Enter the pedestrian detection setting:

Can independently control the car host pedestrian warning, full detection  
of the pedestrian is warning

After opening the steering trigger detection alone, the pedestrian host is  
detected when reversing

Open the left turn alone to trigger the detection, and then the pedestrian  
host is detected when turning left

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Open the right turn to trigger the detection alone, and the pedestrian host  
is detected when the right turn and warns only

Do not affect the sound and light alarm steering to alert the vehicle layman,  
can be separate independent control!

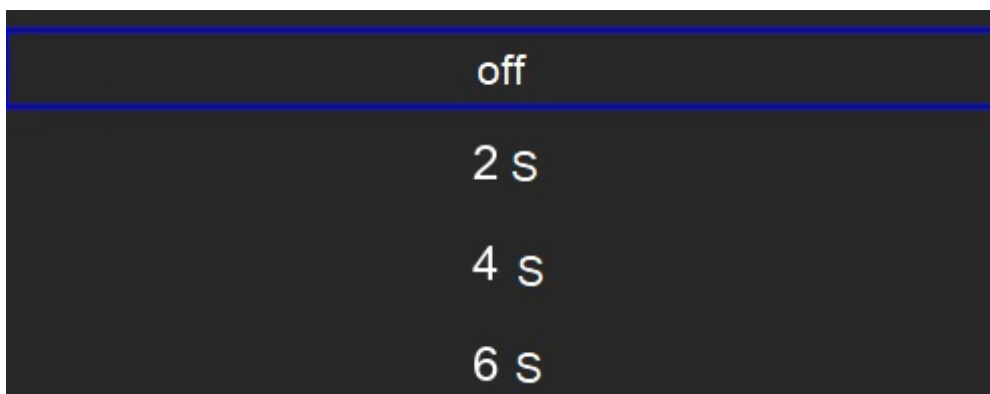


#### Q、 Pedestrian detection alarm



pitch on “ ”Enter the pedestrian detection alarm setting:

Optional off, 2 / 4 / 6 seconds.



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## **R、 AI intelligent anti-theft of oil**



pitch on “ ”Enter the anti-theft oil Settings :

Optional pass, left road, right road

When the parking monitoring is opened, the vehicle turns off and enters the parking monitoring, select the corresponding camera of the fuel tank.

When someone stays near the mailbox for as long as 30S, the host enters the anti-oil theft mode, broadcast the voice "someone near the fuel tank" to remind the driver in the car, and keep the parking video evidence

## **S、 audible and visual alarm**



pitch on “ ”Enter the audible and optical alarm settings :

Acoustic and light alarm unit 1: front-back-left-right

Acoustic and light alarm device 2: front-back-left-right

After opening the corresponding option of the sound and light alarm, even if the pedestrian detects the closed state, the vehicle can turn left and right outside the rear. After opening the pedestrian detection, the driver and the layman can be reminded at the same time.

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### T、formatting



pitch on “ ”Enter the setting:

This option will format all the data information of the inserted TF memory card. It is recommended to manually insert the inserted TF memory card to ensure that the card has sufficient capacity.

**Note: It is recommended that users manually format the TF memory card regularly.**

### U、 factory data reset



pitch on “ ”Enter the setting:

Recovery of the factory settings, the system will restore all the settings to the initial state

Rrset Factory

Reset factory at once?

Confirm

Cancel



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## V、 Version information



pitch on “ ”Enter the menu :

This option can see the current basic version, and you can easily view the version information

## Key function definition:

0.MENU 1.V1/V2(MODE) 2.— 3.OK(M) 4.+ 5.POWER(7寸/10.1)

1.MODE 2.UP 3.POWER 4.DOWN 5.OK(10.36)

Click POWER: Turn on / off the screen; after breaking the ACC, long press

POWER: on / off

Reskey: Click Force Restart

### main interface:

Click MODE to switch between front, rear, left, right and four sections

Click UP / DOWN / - / + to select the up and down menu

Long press UP / DOWN / - / + to adjust the volume + / -

The OK key is determined

Click MENU to enter the Settings interface (10.1)

Long press the V1 / V2 (MODE) key to enter the playback view.(10.36)

### Put the interface:

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Click V1 / V2 (MODE) to zoom in / out

Click the OK button to start / pause the video playback

Click UP / DOWN / - / + to select the up and down video

Long press UP / DOWN / - / + to adjust the volume + / -

Long press OK key to switch the normal video and parking surveillance  
video list 切换

Long press MODE to return to the main interface (10.36)

Click the MENU key to return to the main interface (10.1)

### **Setup interface:**

Reverse line calibration: click V1 / V2 (MODE) to select the cursor, click  
UP / DOWN / - / + to move the left and right cursor and long press UP /  
DOWN / - / + to move the upper and down cursor All the primary /  
secondary menus in the setting interface can be returned by long pressing  
the MODE key Long press MODE to return to the main interface (10.36)

### **Acoustic and optical alarm interface:**

+ -Do left and right operations, select M / OK, MUNE returns to the  
previous layer, and press V1 / V2 / MODE to return