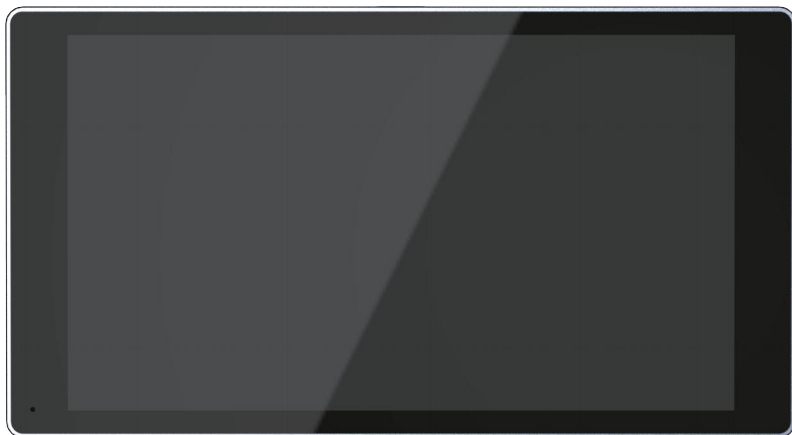


Product User Manual

5 IN Ultra clear blind spot assistance system



CMS
camera monitor system

A5S

(Sound and light warning function)

*The pictures are for reference only,
please refer to the actual product for accuracy

CATALOGUE

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To avoid product damage caused by improper operation, please read the operating instructions in this manual first, Please ensure that the power cord and camera used are original factory accessories. If using accessories from other manufacturers, The product may be incompatible and damaged.

PRODUCT INFORMATION

Product specifications:

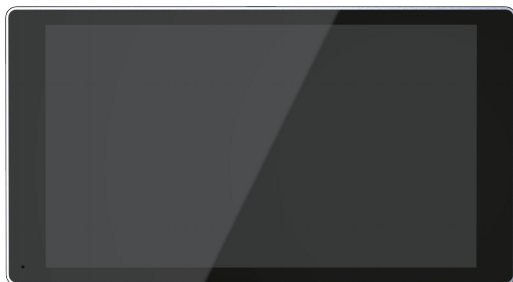
Monitor specifications	
model	A5S
Signal type	AHD
Operating temperature	-25 ° ~75 °
Working voltage	12V~24V (Display host=5V)
Screen size	5 inch
Support resolution	1080P
Screen resolution	1280*720
Installation Type	Instrument desktop
Camera parameters	
Video signal type	AHD
Installation method	Car body pasting
Camera angle	120 °
Waterproof grade	IP68
Output resolution	AHD:1920*1080
Operating temperature	-25 ° ~75 °

Product features:

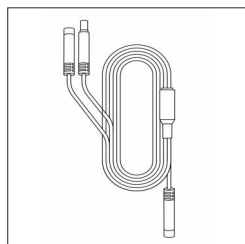
- This product does not damage any wiring installation and is suitable for a wide range of vehicle models.
- The product supports touch screen control: system settings, playback of driving record video files.
- This product achieves single channel high-definition image display. (Choose a dual screen package to achieve blind spot observation on both sides of the car)
- The product can be equipped with a blind spot warning function, effectively improving driving safety.
- The product can adjust the image displacement of the screen according to the needs, achieving optimization of the observation perspective.
- The camera can easily adjust the horizontal viewing angle, enabling installation and observation of different vehicle models.

LIST OF ACCESSORIES:

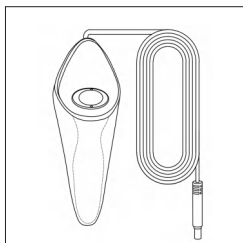
①



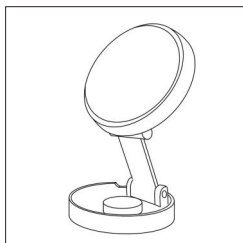
②



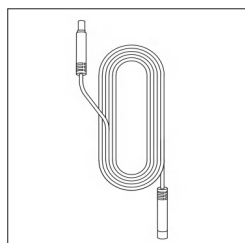
③



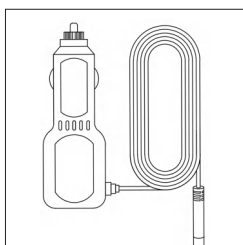
④



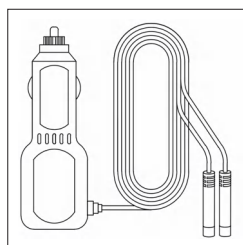
⑤



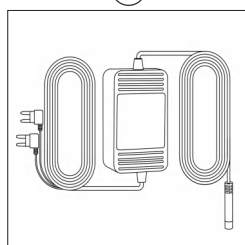
⑥



⑦



⑧



- ① A5S Display host * 1
- ② Device bus * 1
- ③ Camera * 1
- ④ Display magnetic bracket * 1
- ⑤ Video extension cable * 1, Please do not use as a power extension cable
- ⑥ Single circuit cigarette lighter power supply*1
- ⑦ Dual circuit cigarette lighter power supply*1
- ⑧ Car fuse box power supply*1 (Optional accessory)

Special attention:

When selecting the A5S single screen package, the standard NO.⑥ single circuit cigarette lighter power supply will be equipped.

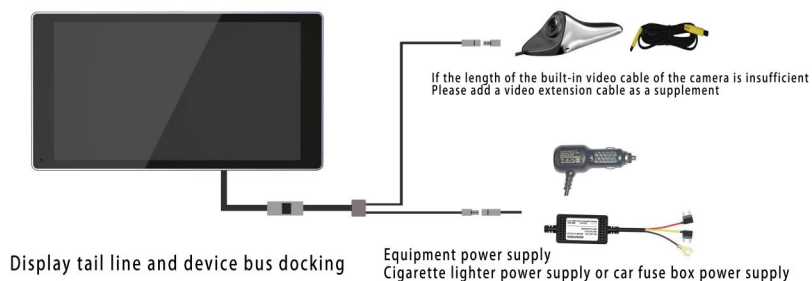
When selecting the A5S dual screen package, the NO.⑦ dual circuit cigarette lighter power supply will be standard.

PRODUCT INSTALLATION INSTRUCTIONS

(The following pictures are only for product wiring diagrams. The actual size and wire length are subject to the actual product!)

· Installation wiring diagram

1. Host interface and device bus interface docking;
2. The camera is connected to the video input terminal of the device bus; (Fix the camera after testing its connection to the signal channel)
3. The input end of the device bus power supply is connected to the cigarette lighter power supply or the fuse box power supply (**the fuse box power supply is an optional accessory and needs to be selected for parking monitoring function**)
4. Optional USB power supply (**special non-standard accessories, contact service provider to purchase**) (Please ensure that the USB output power is greater than 3A, otherwise it may not be used normally)



Annotations on the definition of step-down power supply for automotive fuse boxes:

Connect the device power supply port



Automotive ACC power supply: Please search for the car power supply controlled by the car key in the car fuse box and connect the ACC input terminal of the step-down power cord to this circuit.

Automotive BAT+power supply: Please find the car's long-term power supply in the car fuse box and connect the BAT+input terminal of the step-down power line to this circuit.

Automotive GND power supply: Please locate the screw position for grounding the car body and secure the GND input terminal to the screw, ensuring complete contact with the metal body.

Because the power supply layout of the automobile fuse box is different for each model, if you choose the automobile fuse box power supply and do not know much about ACC power supply and BAT+power supply, you can search relevant knowledge through the Internet resource platform to correctly judge the wiring method to ensure that the product can be used normally.

• FIXED INSTALLATION OF DISPLAY SCREEN

There is an iron plate installed on the back of the display screen host, which fixes the magnetic bracket in the best position on the car dashboard. The iron plate of the display screen body is adsorbed on the magnetic surface of the magnetic bracket, and can also be used in combination with various mobile phone magnetic brackets.

Attention:

1. The selected installation location should be conducive to observing the image of the display screen;
2. Please avoid installing the display screen in front of the marked airbag logo!
3. Please ensure that the magnetic bracket is firmly and stably fixed. The accessories include strong adhesive stickers, which can be replaced at the bottom of the magnetic bracket according to the actual installation situation;
4. Please try to support the bottom of the display screen on the surface of the car dashboard, or add a small piece of double-sided adhesive tape to the back surface of the display screen and the magnetic support magnetic surface of the magnetic bracket according to the situation to make it more secure and avoid shaking and falling off;
5. The magnetic bracket can rotate and adjust the angle appropriately according to needs.



There is an iron sheet on the back of the display screen, which is used for magnetic bracket adsorption and fixation



• You can also choose other styles of magnetic brackets to fix the display screen according to your needs
The picture is for display effect, please refer to the actual product!

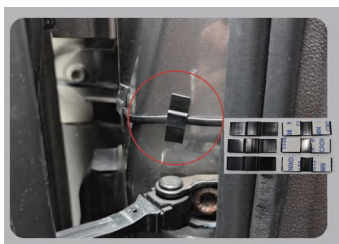
Blind spot camera installation diagram



① Fix the camera at the edge of the car door



② Thread the camera video cable into the car from below the door seal



③ Fix the video cable on the inside of the vehicle using a flat wire fixing clip



④ Rotate the lens appropriately for better and more comfortable viewing angle

PRODUCT OPERATION INSTRUCTIONS:

1、Power on/off

This product has been installed according to the standard. When starting the vehicle, the device will turn on, and when the vehicle is turned off, the device will turn off (in startup mode, long press the power button for 3 seconds: on/off, short press to turn off/on the screen, and lightly touch the screen to turn on the screen in idle mode).**(The matching step-down wire for the power supply of the car fuse box can achieve the function of parking monitoring.)**

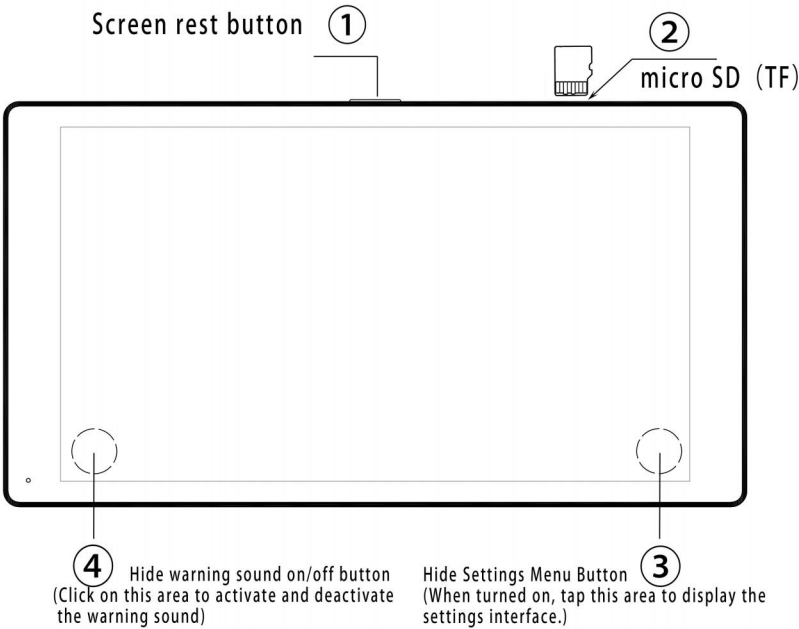
2、TF storage card installation

The product supports high-speed micro SD (TF) Class10 storage cards for storing video files, with a maximum storage capacity of 128GB of micro SD. Video files are automatically overwritten and saved. Note: If using a new storage card, please format the storage card in the system settings of the device. **Please refer to the steps on page 10 for the operation!**

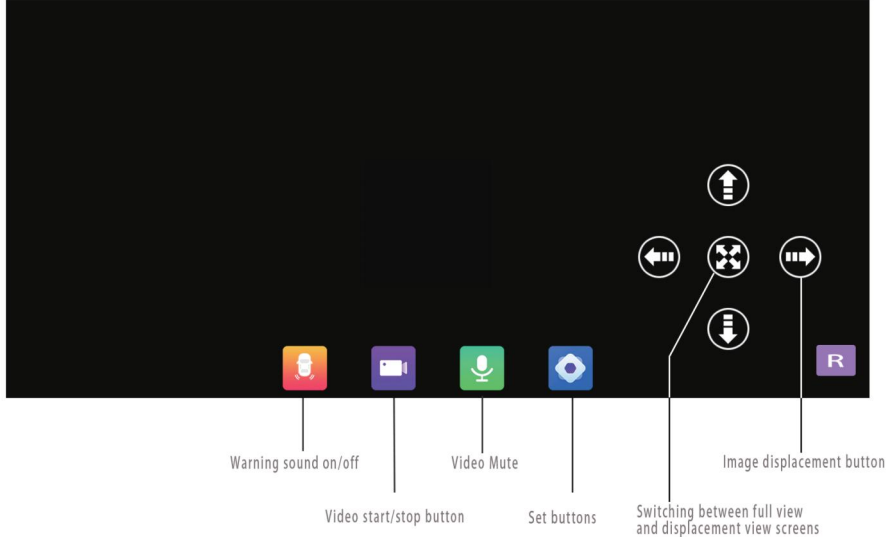
TF cards are third-party devices that are prone to damage. The TF storage card may cause malfunctions in the dash cam, such as missed seconds, missed shots, and unsuccessful file storage and writing. It is recommended to regularly format or replace the TF storage card to make the machine more stable in use.

PRODUCT FEATURES

- Touch and screen rest: Button ① is the screen rest button. After resting the screen, lightly touch the screen to light up;
- Function buttons and menus: In normal startup mode, the hidden menu buttons are located in the ③ area at the bottom right corner of the screen, The area ④ in the bottom left corner of the screen is the hidden warning sound on/off button. Button ① is the screen rest button.



Under normal startup mode, clicking on the area ③ of the screen will bring up the following interface



The arrows on the left or right side of the screen are the up, down, left, and right image movement buttons. The center position icons of the four arrows are the operation buttons for the full view screen and the displacement view screen. When the displacement view mode is enabled, the image can be moved up, down, left, and right to achieve a better viewing angle.
(The position of the arrow button is determined by the left or right system you choose.) Please refer to the blind spot warning settings on page 09.

The four icons located in the center below the screen are the warning on/off icons in sequence (as shown in the function button ④ on the same page hidden)Button, monitoring start stop button, recording mute button. Function menu buttons. (The small red dot in the upper left corner flashes to indicate recording status)

• **Function settings:** When clicking on the function menu button to enter settings, you can perform video browsing, driving settings, system settings, warning settings, formatted storage, and other functions related to the device.

	Settings	2024-02-20 10:54:16	
	View Files		>
	CDR Setting		>
	System Setting		>
	Warning settings		>
	Format Storage		>
	About Device		>

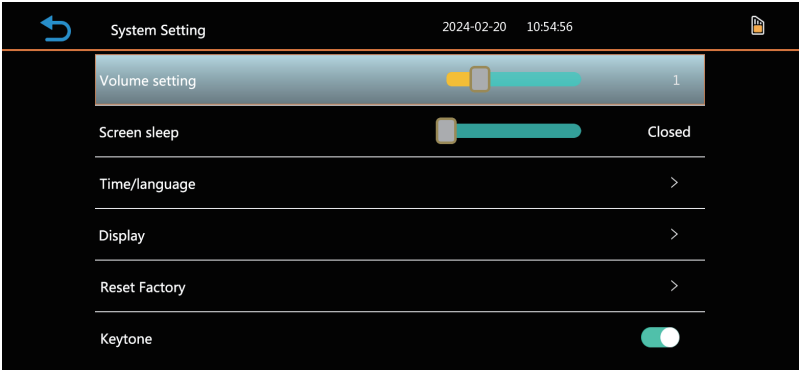
• Video browsing: Click on video browsing to view left and right route videos. Click the delete button in the lower right corner to delete the video.

- **Driving settings:** Swipe up and down the screen with fingertips to preview the settings items
- **Clock backlight:** (click on the clock backlight to select day/night mode, set the start time for night mode, and automatically switch to day/night mode after setting), thereby automatically adjusting the brightness of day and night for better comfort.



- **Function settings for loop recording:** (optional for 5 or 10 minutes), silent recording (can be turned on/off), recording watermark (on/off), time-lapse recording, license plate number, left view mirror (on/off), and right view mirror (on/off);
- **Parking monitoring:** In the driving settings, the time for time-lapse recording can be set (this function only supports the installation of the power step-down line in the car fuse box, and is effective when the power supply ACC is correctly installed with a long battery B+);

• **System settings:** Enter the system settings, where you can set the volume, screen sleep, time+language, display settings (brightness, contrast, saturation, backlight), restore factory settings, and press button sounds (on/off);(Please set the time accurately as it will affect the automatic adjustment of the clock backlight!)



• **Warning setting:** setting the warning range for pedestrian recognition of vehicles - calibration: click "calibration", select left/right view for setting, (by adjusting the position of the four points on the red quadrilateral, control the range of the alarm area, and prompt an alarm when the right motor vehicle, non motor vehicle, or pedestrian approaches the area).

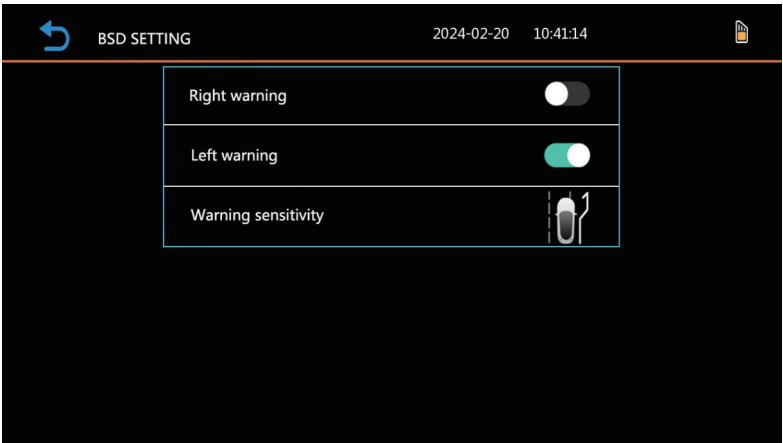
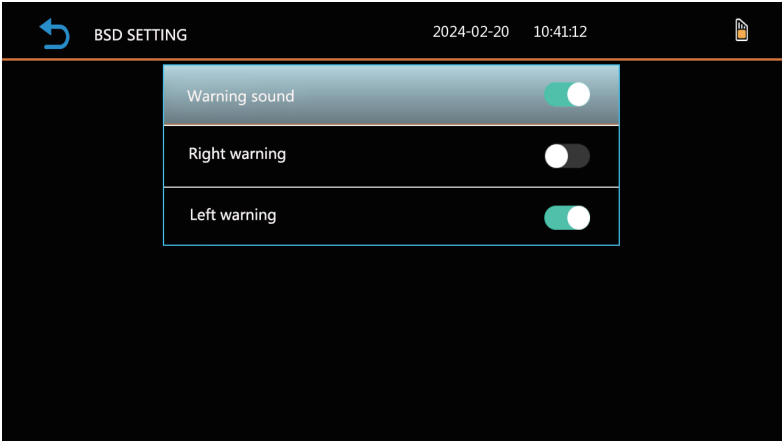


Calibrate the warning range by moving the set point

Move the set point using the up, down, left, and right arrows

Set point selection

Click the settings button on this screen to turn on/off the warning sound, set the screen to be used on the left or right side, and slide the dropdown icon to adjust the warning sensitivity (low, medium, high)





• EXPLANATION OF WARNING FUNCTION

The product recognizes very static obstacles such as pedestrians, bicycles, and electric vehicles through images and will prompt a "beep" sound. A red vertical stripe will be displayed on the display screen border to indicate a warning, and there will be a flashing ⚠ symbol. When the product recognizes a vehicle passing through a blind spot through imaging, a "beep" sound will sound in the field of view, and a red vertical stripe will be displayed on the display screen border to indicate a warning. At the same time, the 🚗 symbol will flash.

Note: In specific safety situations, you can also choose to turn off the broadcast sound to achieve driving comfort.

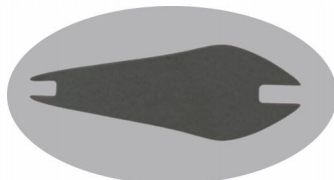
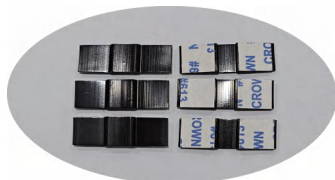
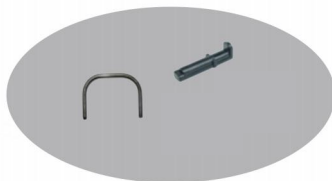
• Format Storage

Click to clear the stored files. Due to storage format requirements, please perform formatting when inserting a new card into the machine so that the recording function can be used normally.

	Settings	2024-02-20 10:54:16	
	View Files		>
	CDR Setting		>
	System Setting		>
	Warning settings		>
	Format Storage		>
	About Device		>

Camera configuration table and related settings

List of packaging accessories



1)、Blind spot camera

2)、Video cable fixing buckle

3)、Metal tools and Tail line sealing plug

4)、Strong double-sided adhesive

Image settings (default factory configured, do not operate arbitrarily)

1) Camera mirror setting method (Figure①)

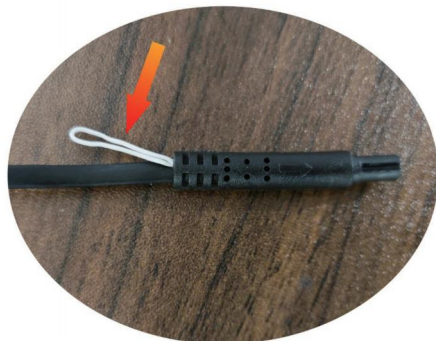
Cutting the exposed white control line at the tail end of the camera can set the image to be displayed as a mirror image. The camera image defaults to the original image. If you need to change it to a mirrored display, you can do this or set the mirroring settings on the display host.

2) AHD camera 720P/1080P mode switching method (Figure②)

(According to equipment requirements, the camera will be set to a resolution of 1080P at the factory, and there may be a green control line that has been cut or not present at this point.)

The camera defaults to outputting 720P video signal, and there is a hidden green resolution control line at the outlet of the camera body. Cut the control line to output 1080P video signal. (Please follow the resolution requirements of the monitor to perform this step, otherwise the image will not be displayed properly.)

(Figure①)

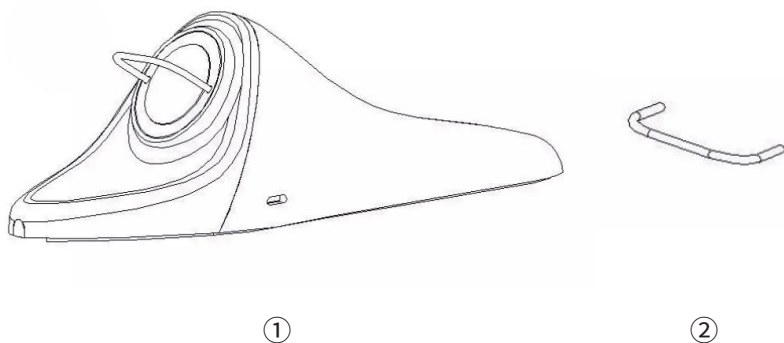


(Figure②)

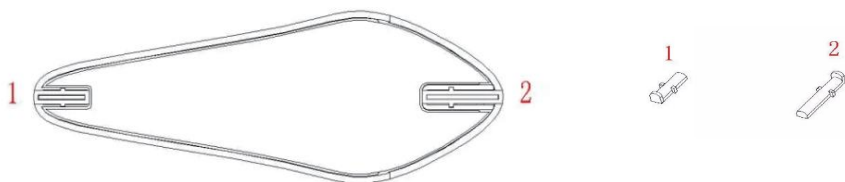


Camera tail line and display screen bus camera interface docking

1. Connect the camera to the display device for testing;
2. Apply double-sided adhesive to the bottom of the shark fin camera;
3. Stick the camera near the edge of the car door (high-quality and strong double-sided adhesive tape will not easily fall off), pull the video cable from the car door seam into the car, and fix the camera extension cable to the inner sheet metal of the car door through the video cable fixing buckle.
4. Thread the wiring harness under the sealing strip of the car frame and secure the sealing strip again.
5. Mirror adjustment: After installing the camera, please check if the image is compliant with the mirror image. If not, please set the image mirror in the display system;



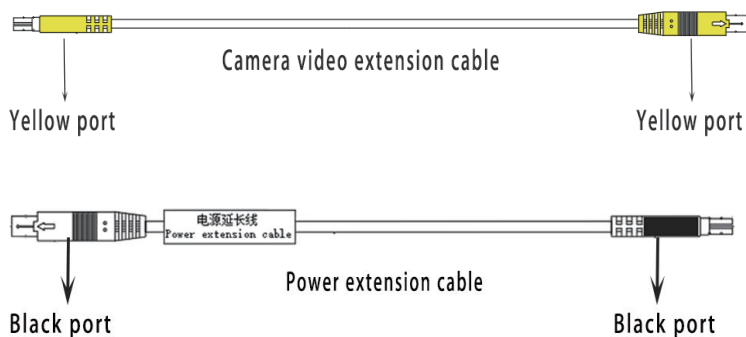
6. The shark fin camera can adjust the level of view according to different car bodies. There are metal tools for visual adjustment inside the camera accessories, please do not lose them!
7. The installation method for the left and right cameras is similar. The default view is the right side view. If you need to change it to the left side view, use a metal tool ② as shown in Figure ① to rotate the lens 180°! (**Do not rotate excessively, as it may cause damage to the circuit!**)



8. As needed, the outlet method of the camera video cable can be changed. Open the camera bottom shell, lead the video cable out from the base of the camera, and use sealing accessories to seal the outlet of the front video cable of the camera. (The normal installation outlet is the No.2 outlet, and the No.1 hole position is closed by the No.1 tail wire plug. If the installation requires the No.1 tail wire to be led out, the No.2 tail wire plug can be used to close the No.2 hole position.)

Product usage precautions

1. If the equipment heats slightly during use, it is a normal phenomenon and not a malfunction;
2. Do not use rough chemicals, such as soap or other strong alkaline and acidic cleaning agents to scrub;
3. Do not connect the car battery as a power source;
4. Under any circumstances, it is prohibited to short-circuit the positive and negative poles to avoid accidents;
5. When installing the product for observing rear vehicles, the image must be set as a mirror image. Please confirm and verify carefully to avoid safety accidents!
6. The product comes with a camera video extension cable. Please do not use it as a power extension cable! Otherwise, the device will not function properly! (The ports on both sides of the video extension cable are yellow)



INSTALLATION SUGGESTIONS:

Before fixing the display screen host and camera, please connect the power test signal and simulate the installation position of the camera on the vehicle body. Observe the imaging field of view and select the optimal camera fixing position. After confirming the installation position of the camera, fix it. If installing the left and right lenses, please pay special attention to the symmetry of the installation of the left and right lenses. After installation, please adjust the horizontal viewing angle of the camera and adjust the image displacement appropriately on the display screen host to achieve the best observation effect.