Frequently Asked Questions:

Serial number	Failure phenomenon	Possible reason	Coping
1	**Host machine not starting up** **(The red indicator light is not on)**	1.The mainframe power supply or the automobile power supply fuse is blown 2. The connection is not normal 3. The host hardware is bad	1. Replace the specified type of fuse 2. Check whether the power cord is inserted in place 3. Replace the main engine and return to repair if defective
2	**Remote control or key can be started, hanging reverse can not be started**	1. Incorrect connection between the reversing input and the original reversing signal 2. Incorrect reverse input line 3. Digital version: wrong configuration of model parameters	1. Check and correct connections 2. Replace the reverse input wire 3.Digital version: set the model parameters correctly
3	**After the host is started, the screen shows no picture and the screen is black**	1. Incorrect connection between the backing output line and the screen backing test line 2. The video output line is not connected correctly with the video input on the screen 3. Digital version: the configuration of the dial switch is incorrect 4. Digital version: LVDS video connection error	1. Check and correct connections 2. Check and correct the connection 3. Check the dialing code and correct 4. Check and correct connections 5.Replace the host
4	**After the host starts, there is an interface display, no camera displa**	1. The camera is not aligned with the extension cord Insert the correct 2. The extension cord of the camera is not in good contact 3. The camera power cord is not in good contact 4. Camera is damaged	1. Check and correct connections 2. Replace extension cordconnections 3.Replace the power cordcordconnections 3.Replace the powercordcordconnections
5	**Incorrect trace line display**	Incorrect configuration of vehicle parameters	Correct selection of assembly vehicle model

Warm Tips:

The vibration recording function of this product is affected by the installation position, sensitivity, parking environment and other factors of the external vibration sensor. There may be no video recording in the friction and collision accident after flameout. Please do not rely too heavily on this function. If it is necessary to monitor the condition of vehicles after a stop, it is suggested to turn on the "Parking Video" function, which can set the parking video within 0 ~ 24 hours according to individual needs.

Super 3D T5 version split machine

360°Surrounding Camera System

Quick start

CJ3D-01

Directory

Disclaimer

The product is mainly for vehicle drivers provide a full range of vehicle around the road show pictures, to assist drivers to drive better security, but because of the complexity of the road and the driver of different driving habits, the company does not undertake vehicle equipped with the product under any circumstances at the time of the traffic accident related joint and several liability, the driver, please drive carefully, Obey traffic safety regulations!

Product introduction

Around 360 panoramic parking is through the installed in the front and rear of 4 ultra wide Angle fish-eye camera collection vehicles around the image at the same time, through synthesis, image to view after distortion correction and the original image, splicing and fusion, to form a picture of the 360 - degree rotation around the vehicle visible around the vehicle security image real-time transmission to the central screen, Through the display screen, the driver can visually view the surrounding environment of the car body. The blind spot on the ground can help the driver clearly confirm whether there are obstacles around the vehicle, and help the driver easily deal with the complex road surface and parking vehicles. The product is easy to install, stable and reliable.

Product features:

● Boot around 3 weeks, the surrounding situation at a glance;

● Support 2D panorama, 3D panorama, mode switching, front/back/left/right flow medium, width limit, narrow channel, etc.

● Optional function supports the installation of built-in single and double CAN machines;

● Support AHD, CVBS, VGA,HDMI multiple output interface signal format, software one keyswitch;

● Support a variety of cloth one key calibration, and no manual tracing point, no blind area on the ground;

● Four-channel video real-time driving records, local playback of four high-definition AHD signal input, clear and smooth picture quality narrow real-timeRoad conditions, safer driving.

Product specification

Project		Specifications
Camera	Sensor size	1/3"Color sensor
	Signal to noise ratio	>60dB
	Minimum illumination	0.001LUX
	Dynamic range	82 dB
	Video output	AHD 720P / 1080P
	Waterproof level	IP 67
	perspective	Vertical 130 °, Level 230 °
	Working voltage	3.5−5.5V
	Working current	About 140mA
The host	Operating voltage range	9~16V
	Working current	<600mA
	Standby current	<7mA
	Operating temperature range	−20˚C
	Operating humidity range	9~16V

Introduction Of Main Engine And Accessories

The host

Knob controller

camera

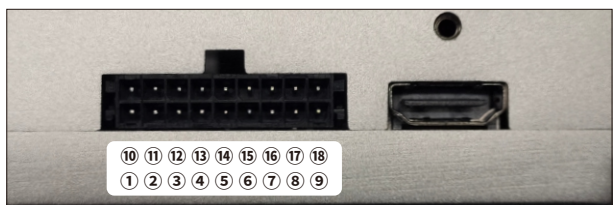Master line   Extension cord   Video extension cord   OBD line   VGA tieline   Double line CAN

The host interface

①CANH1   ②CVBS OUT ③VGA-B ④VGA-G   ⑤VGA-R   ⑥VGA-H ⑦VGA-V ⑧GND   ⑨CANH2
⑩CANL1   ⑪Reverse control low output   ⑫TXD external RXD   ⑬RXD external TXD ⑭GND   ⑮ACC
input ⑯B+⑰Reversing control high output   ⑱CANL2

⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

①RXD   ②TXD   ③NC   ④CANL2   ⑤CANH1   ⑥GND   ⑦CANL1   ⑧CANH2

⑤ ⑥ ⑦ ⑧
① ② ③ ④
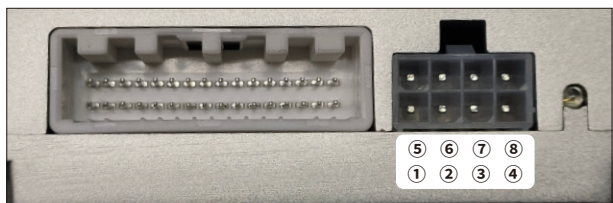
Related interfaces of the main engine and main thread are as follows:

1. Main control line: connect power supply (yellow line is connected to normal power, red line is connected to ACC, black line is grounded)

2, the extension line on the red line: respectively connected to the left, right turn signal and reverse light positive pole

3. Black BMW connector: connect the front camera

4. Yellow BMW connector: connect the rear camera

5. Red BMW connector: connect the left camera

6. Blue BMW connector: connect the right camera

7. Yellow AV interface: the main video CVBS output interface is connected to the central control CVBS reversing video channel through the video extension cord for display

8. Blue AV interface: the main video AHD output interface is connected to the central control AHD reversing video channel display through the video extension cord

9, Brown DVD trigger line: connect the navigation reversing detection line

10. Yellow RF antenna, receiving knob controller signal

11, 6PIN interface: host VGA video output interface, connected to the VGA decoder, through the decoder connected to the original car screen (the original car support)

12, USB interface: connect U disk, can be used for driving record, system upgrade, parameter storage

13, OBD/CAN interface: some models plug into the original vehicle OBD, some models are connected to the gateway or main engine CAN line, according to the system setting - setting model menu prompts

14. Indicator light: the red light of the main engine flashing means that it is working normally, and the green light flashing means that it can receive the controller signal. Operate the controller, and the green light does not flicker. Please check whether the battery is installed or the pairing is successful

Connection diagram

1: general assembly CVBS/VGA/AHD/HDMI wiring optional
VGA14P on the center of the left and right empty open 1P
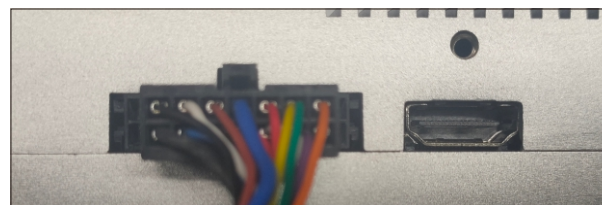
2:an machine special line for different models to choose different   models of power lines
Install two CAN wires to connect 18P seat
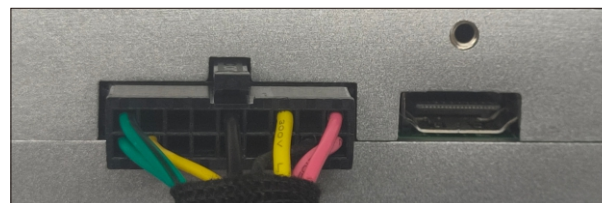
Product View:

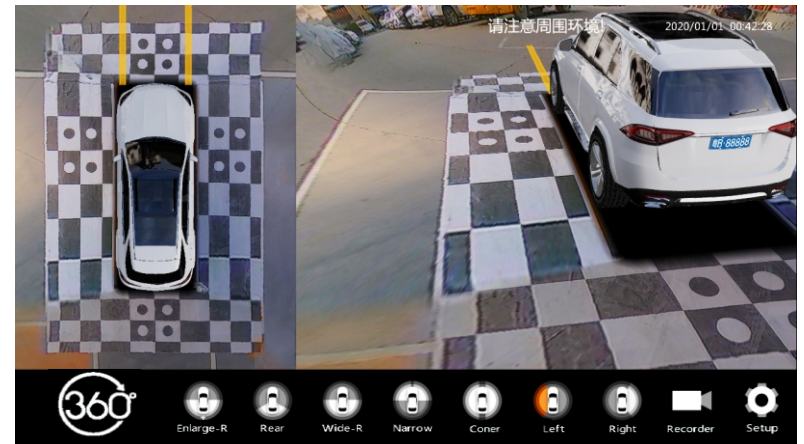Fig. 1 Forward view pattern distortion diagram

Fig. 3 Left-view 3D mode

Fig. 2. Distortion diagram of rear-view mode

Figure 4. Right view 3D mode

Product installation:

The installation of the front camera supports the installation of special bracket and general bracket for each type of car

Left camera installation supports general punching and special left-view installation. Pay attention to the appropriate installation position when general punching, and avoid the baffle lens and the position too close to the body

Install the rear view camera to support the installation of special bracket and general bracket for each type of car

Right camera installation supports general drilling and special right-view installation, pay attention to the appropriate installation position when general drilling, do not block the lens and too close to the body position

Product debugging and calibration

(Select Stitching Cloth One)
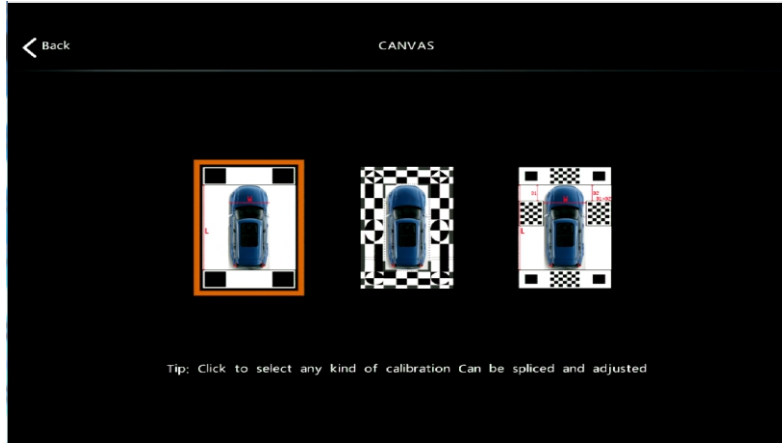
Select the appropriate stitching cloth

The car should stop straight before the back of the body is vertically measured to the stitching cloth edge of about 30CM, the center of the cloth line corresponds to the center of the body

The two large cloth requirements are as follows:

After entering the splice screen, rotate the left and right cameras and parallel the body downward, then flatten the camera and install the silicone position. The front and rear cameras are used to watch whether the image is inverted or displaying bad conditions.

Input: measure the distance between the front cloth and the back of the car, the width of the car: the width of the car, select the camera parameters corresponding to the lens and the chip, and press the starting stitching to complete the stitching within about 5 seconds
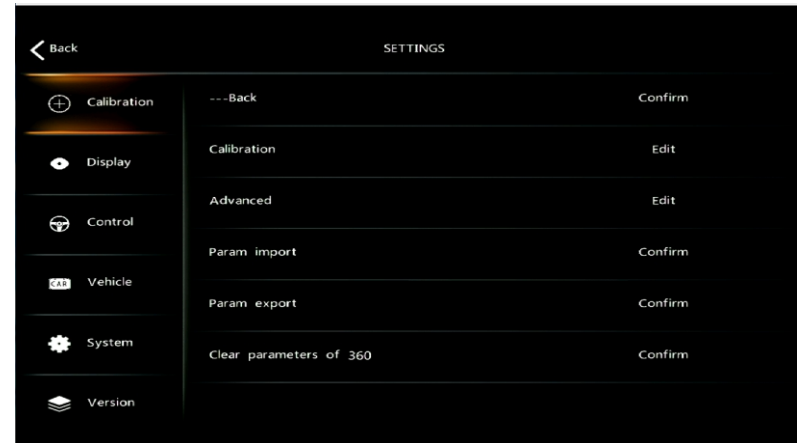
Enter the setting interface

Stitching successful display renderings
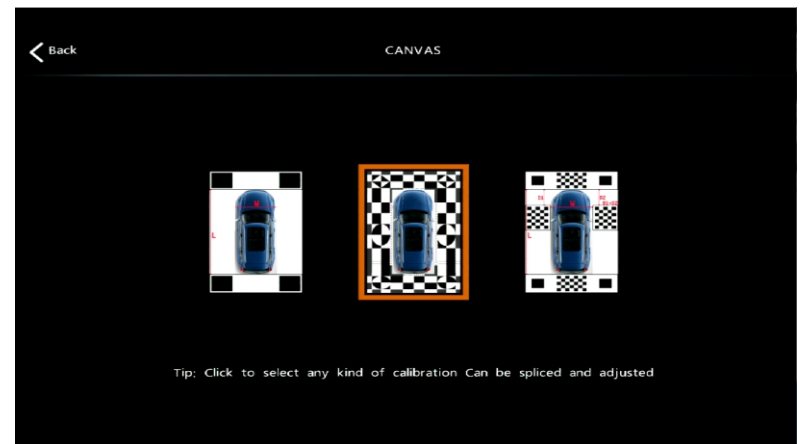
Select the appropriate stitching cloth
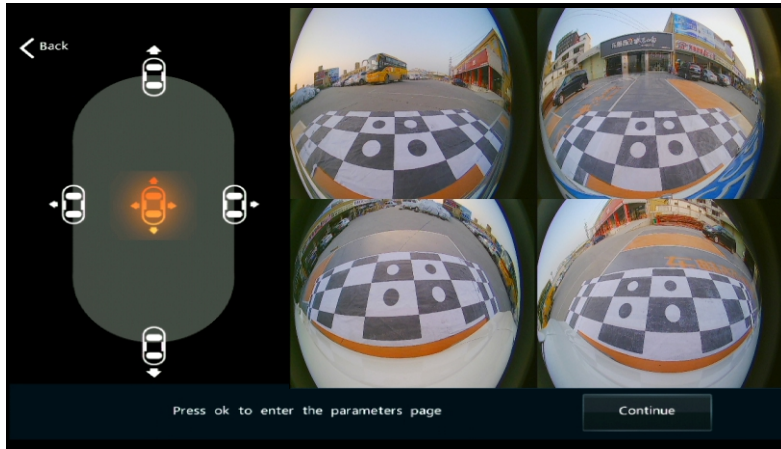
After entering the splicing screen, rotate the left and right cameras and parallel the body downward, then press the cameras flat and install the silicone position.Front and rear cameras to see if the image is inverted or displaying bad conditions.
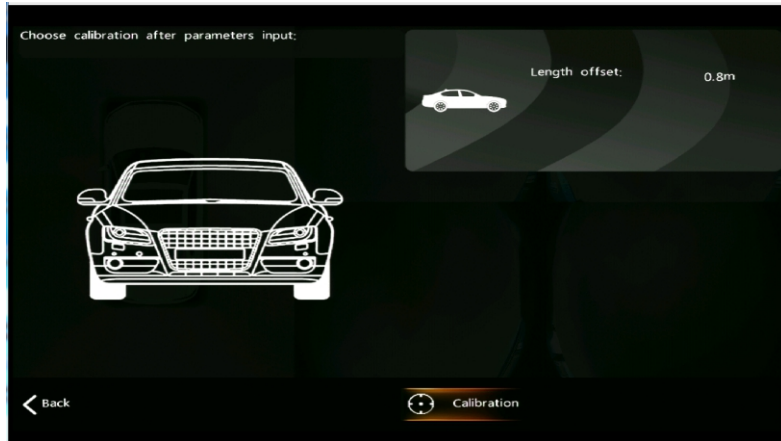
Select the offset of the corresponding car length and press "Start" for about 10 seconds

System Settings

Display Settings
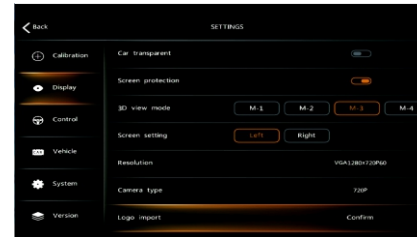
1: Different 3D view height/high/low/low can be set;
2: panoramic car model can choose to live on the left and right.
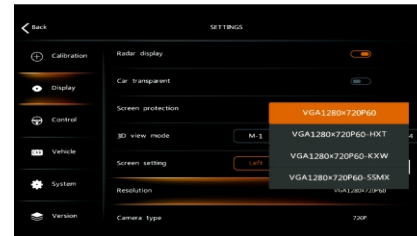
The resolution rotary remote control is optional CVBS_N

/CVBS_P and VGA /AHD/ HDMI options.

View Settings

You can adjust Front View/Rear View/Front Dedistortion/Rear View Dedistortion/Left View/Right View/Left View Dedistortion/Right View Dedistortion/Width Limited View/Narrow Channel View /3D View /3D Right View/3D elevation /3D car model adjustment/overlook full screen/panorama adjustment, visual Angle display is not ideal, you can adjust the Angle display effect. Press Save after selecting adjustment parameters.

Control Settings

You can open the boot loop and close it;
Turn on and off;
Switch to 3D viewing Angle;
Switch to 2D to turn off 3D view;
Double click the double flash switch to open and close;
P key cut out 360;
If the original vehicle has this function, you CAN choose to turn on this function if you cut out 360 and add decoder or install dual CAN.
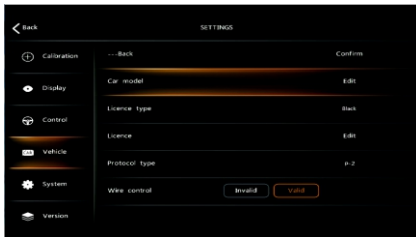
1:Turn on the front and rear distortion removal option, and the original car will display the track following after turning on.

2: Left and right distortion can be turned on and off Settings;

3: Backup output delay can be set the length of the display time and always display;

4: The steering output delay can be set to 0 seconds or 3 seconds and 5 seconds.

Parking Monitoring Settings
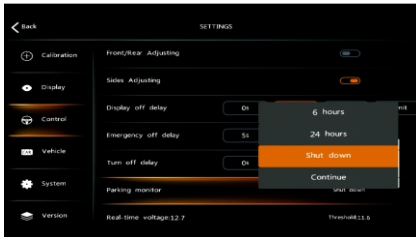
1: parking monitoring has 30 minutes / 1 hours / 2 hours / 6 hours / 24 hours and continuous effective setting;

2: the threshold voltage default 11.6 volts battery feed loss try not to try to this voltage is too low voltage in order to avoid failure to fire.
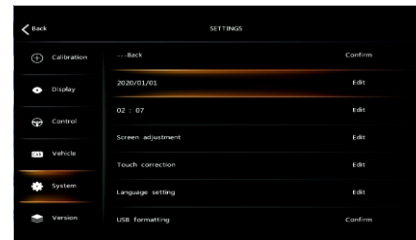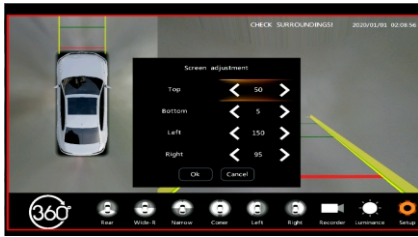
License plate setting

Models set

Model selection and track style selection color selection, you can modify the length and width of the model.

License plate setting

License plate setting color options.
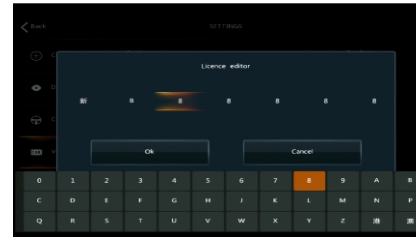
License plate setting font input options.
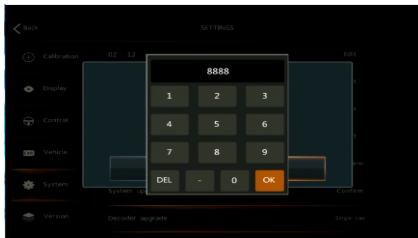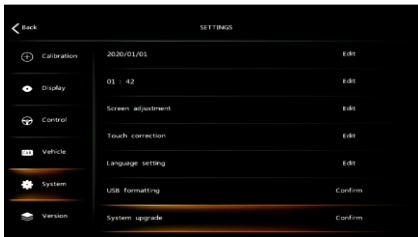
The date set

Display screen adjustment

Adjust the upper and lower display frame input according to the actual difference to adjust the value.

System upgrade

If you select single CAN or double CAN upgrade, the decoder upgrade will appear and press OK.
After the decoder is determined to enter 8888, press OK to upgrade CAN for about 3 minutes. Do not power off during the upgrade process.。
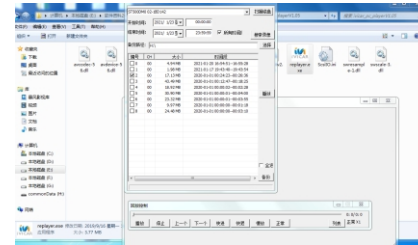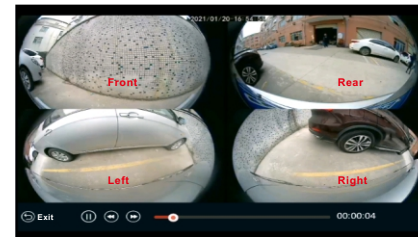
Brightness color adjustment

With different display screens, the display effect is somewhat different. The display effect can be improved by brightness/contrast/tone adjustment.

Driving video replay
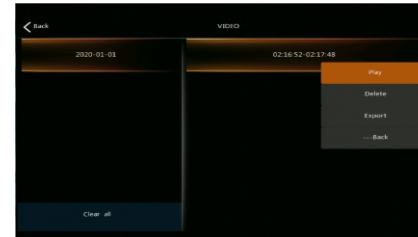
Rotate the remote control to move to the video icon and press the middle to confirm.

Computer playback with special software or download can play out ASF video player can playback video files, choose backup will export MP4 format video files.

Displays 360 system version information