AurA

OWNER'S MANUAL

Intelligent Parking System

BVC-92AHDF

Full Kit – For Android/ Original Car OE Fit Radio

WARNING!

PLEASE READ CAREFULLY BEFORE USING

Catalogue

1. Product Introduction

1.1 A Brief Description of The System

The system is an Aura intelligent parking system, which can monitor the surrounding conditions of vehicles in a blind area all day long.

It can also provide favorable evidence for road traffic accidents and ensure the safety of parking. By the system control box, which can receive the images of four cameras installed in the vehicle and make the image calibration and stitching processing, synthesizing the surrounding images of the vehicle into a panoramic view.

It can also make the real-time display the panoramic image and blind area around the driver, such as Road, effectively reduce traffic accidents such as scratches and collisions to improve driving safety.Such as the corner of car body which can make driver parking the vehicle in the right space, or through complex roads, traffic accidents such as scratches and collisions are effectively reduced to improve driving safety.

⚠ ATTENTION

To prevent injury or fire, take the following precautions:

• Installation and wiring of this product require specialist skill and experience.
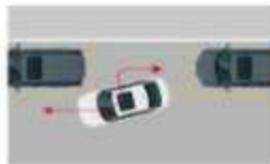
The Intelligent Parking System is compatible with Android system which does not have 360 Degree capabilities and certain Car Original OE systems. To work with Car Original OE system, car specific connector cable is required. This unit does not include such specific connector cable. Please check with your local dealer for car specific connector cable as per car brand and models. As per each Car brand model, codes must be set for unit to work with Car Original OE systems. Check with dealer before purchasing about compatibility, connector availability and codes.

⚠ PRECAUTION

To prevent damage to the product, take following precautions:

• The control box of the Aura intelligent parking system is not waterproof, avoid exposing it to rain or other forms of excessive moisture.
• Do not plug in or unplug with electricity, handle with care to avoid damage to components due to excessive impact such as falling or stepping on the foot.

1.2 Application Scenario - Aura Intelligent System

Side parking

Reversing Parking

Crowded road

Anti blackmail

Steep slope front monitoring

Blind spot monitoring

Steering assistance

Narrow road driving

Starlight night vision

1.3 Safety Tips

- The system is a parking aid system, which is only used to provide the situation of road condition in blind area around car body. There is a slight deviation between the whole vehicle schematic diagram and the distance from the actual object. Please operate according to the actual situation.
- The power cord is long-term power supply, and the camera will automatically perform a video recording cycle after the car is started and turned off.
- After using the system, please use U disk to check the video recording regularly to avoid the failure of video recording and the influence of no video recording on the product.

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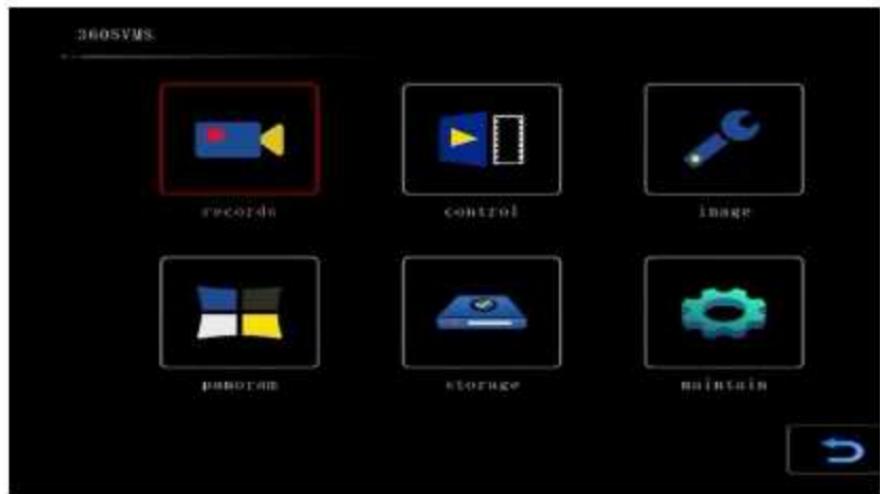
2. Product Accessories

Description	Picture	Qty	Remarks
Control box	AURA	1pcs	
Power cable		1pcs	9 in 1 function cable
Video cable		1pcs	Connect CVBS or AHD signal cable
4pin video cable		1pcs	For android monitor only
AHD 720p camera	x2 x2	4pcs	front, rear, right, left
Camera extension cable		4pcs	front, rear, right, left cable
IR receiver		1pcs	
Remote control		1pcs	
Drill		1pcs	For right and left camera
User's manual		1pcs	Instruction manual

3. Product Specification

Parts	Item	Description	
Control box	IC	2 core processor	
	Storage capacity	2-32GB U disk cycle overwriting and saving	
	Output signal	Single composite video output	
	Input signal	4 video inputs	
	Operating Voltage	9-16V exceeds automatic power-off protection	
	Operating temperature	-20~+70°C	
	Cold start time	10 seconds	
Camera	Image Sensor	1/2.9"CMOS	
	Output formats	PAL	
	Effective pixel array	1280 (H) x 720 (V)	
	Resolution	1.0MP	
	Day and night mode	color	
	Video amplitude	720P@25fps	
	Day/Night Mode	Auto	
	Video Signal	AHD	
	Min. Illumination	0.01Lux@F1.2	
	View Angle	Horizontal	185°
		Vertical	120°
	Image Character	Front view	
	Working Voltage	5V	
	Working Voltage Range	4.8~5VDC	
	Working Temperature	-20~+70°C	
	Working Voltage Range	4.8~5VDC	
	Environment Humidity	90%RH	
	Waterproof Grade	IP68(Camera Part)	

4. Function Introduction
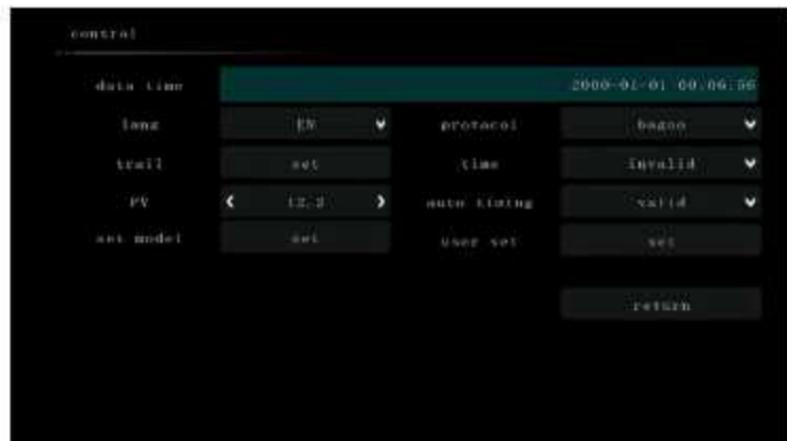
1. Start/close keys: press this button to start or close the Bird view function.
2. Up keys: move up or display front view.
3. Return keys: return.
4. Left keys: move left or display left view.
5. OK keys: confirm keys, play or pause the driving video, enter the setting menu.
6. Right keys: move right or show right view.
7. Parameter adjustment keys: parameter +/- adjustment.
8. Down keys: move down or display the rear view.
9. Save keys: save parameters.
10. Parameter increase/quick return keys: the parameter increases or the driving video is quickly back play.
11. Parameter reduce/fast-forward keys: parameter reduce or driving video fast forward play.
12. 0-9 keys: input 0~9 value.

4.1 Records

a. Records: You can select the box in front of the playlist separately.

b. Play: Select the video file to play, press play to watch the video, press the direction keys up, down, left, and right to play the front, back, left, and right videos separately, and press the OK keys to return to the four video screens to play at the same time.

c. Delete: Select the video file to be deleted, press delete to delete the file.

d. Lock: Select the video file to be locked, and press Lock to lock the file.

e. Unlock: Select the video file that needs to be unlocked, and press Unlock to unlock the file.

4.2 Control

4.2.1 Date Time

It is used to change the system recording time. After the installation is complete, the system time must be set, otherwise the system recording time will be inaccurate, resulting in inaccurate recording and evidence collection time. Press the direction keys to move left and right, and the direction keys to change up and down.

4.2.2 Trajectory

The dynamic trajectory or parking line can be set, select the type of trajectory corresponding to the corresponding vehicle model, or set the forward or reverse direction of the dynamic trajectory line through the direction keys.

4.2.3 Time

You can set whether to display the time on the main image interface by the direction keys.

4.2.4 Protection Voltage

After the parking monitoring function is enabled, you can set the value of the system voltage below which the system can automatically shut down, so as not to run out of the car battery, and use the direction keys can be changed left and right.

4.2.5 User Set

a. Monitor

You can set the 360 panoramic images to continue working time after the car is turned off.

b. EMG SWT

Set the mode and switch of the double flash, and change it up and down with the direction keys.

c. Turn SWT

You can set whether to display 360 panoramic images when turning the steering wheel, and change it up and down with the direction keys.

d. Speed SWT

You can set the switch of the video at high speed. This function is only valid after the decoder is

installed on the screen of some original cars. When the speed is lower than 30 yards, turn left and right to display 360 panoramic images (the turn signal switch is turned on), and change it up and down with the direction keys.

e. Display Mode

You can set the display mode of the car (2D/3D) by the direction keys.

f. P Radar

Set the on and off of the P keys of the original car by the direction keys up and down.

g. Original Radar

Set the radar on and off, you can choose to turn on the left or right radar by the direction keys.

h. Original Orbit

Set the orbit on and off, and change it up and down with the direction keys.

i. Display Delay

Can be set to open the steering when the 360 panoramic images is displayed how long after exiting the steering switch the navigation system, the direction keys up and down to change.

j. Switch Delay

You can set the display of 360 panoramic image screen switching delay, the direction keys up and down to change.

k. Radar Display

Set radar on and off, you can choose to open the left or right radar by direction keys.

l. Radar Wake-up

Radar wakes up open state, the radar can automatically wake up 360 panoramic images, the direction keys up and down to change.

m. Door Wake-up

Door wakes up open state, open the door will automatically wake up the 360 panoramic images, the direction keys up and down to change.

4.3 Image

4.3.1 UI

Select the corresponding model, different models correspond to different interfaces.

4.3.2 Pixel

Choose 1080*720p_30

4.3.3 CML

You can set the left and right display of the car model in the main interface 360 of the system image, by changing the direction keys up and down.

4.3.4 Video Mode

Set whether the video signal is always available, it is recommended to select video always available.

4.3.5 Original Camera

Set whether to use the rear-view camera of the original car, and change the direction keys.
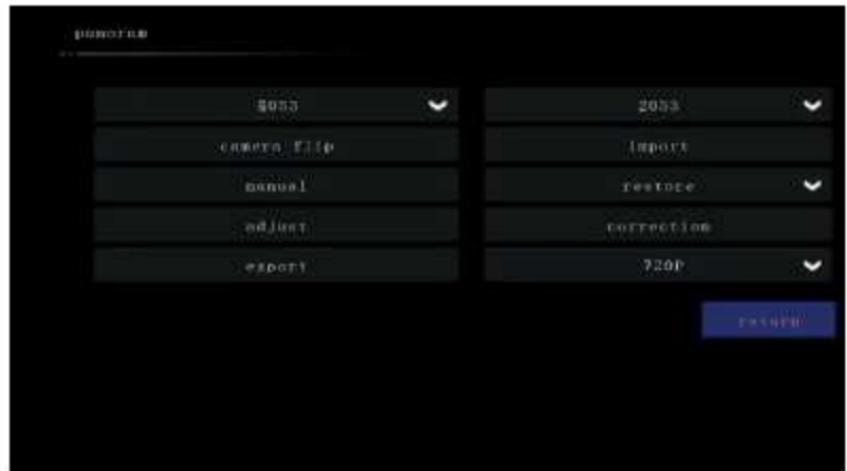
4.3.6 Video File

You can set the length of the video recording file, the direction keys up and down to change.

4.3.7 Color Management
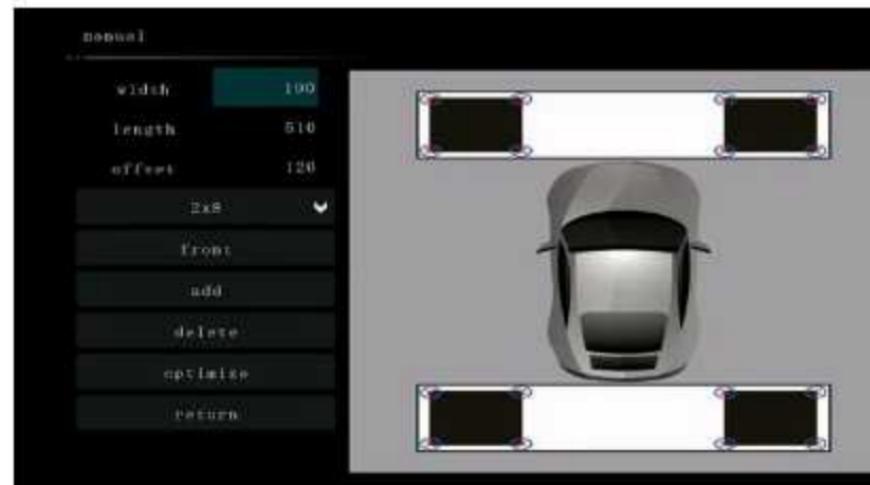
Adjust the brightness, contrast, saturation and chroma of the lens and display, the direction keys left and right to select the lens, and the direction keys left and right to change the value.

4.4 Panorama

You can choose the corresponding camera parameters to facilitate the image, stitching better, the directional keys up and down to change. (The default is shown in the figure)

4.4.1 Manual

Two large cloths do not require this value (width, length and offset) to be entered.

Select the corresponding lens (front, back, left, right) to increase the logo points, logo points traced wrong, choose to delete the logo points.

2 large cloth 4 points illustration

Front

Rear

Left

Right

## 2 large cloth 8 points illustration

Front

Rear

Left

Right

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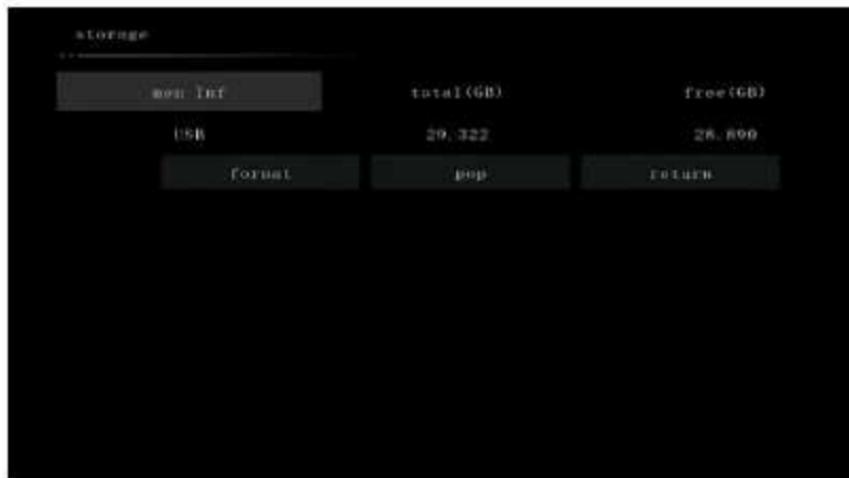
4.5 Storage

360 Panorama system can't recognize the U disk can format the U disk (please save important video files before formatting), you can check the storage capacity information of the U disk. (Default without U disk)

4.6 Maintain

It is used to view system version information, upgrade system program, upgrade expansion module, upgrade LOGO, system restart and other function setting operations.

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