Operation Instruction

Smart Terminal Device
(Night-vision Recorder for Parking Surveillance)
Introduction

Thank you for using product of our company and it is our honor to serve you! With complete warranty and excellent service, our products are widely appreciated and supported by clients. Driving recorder has came into being for a long time, while the quality of most recorders are uneven, which is a difficult for the clients to choose one! So why our products could be accepted by clients? As we have a professional team and only the qualified product tested by professionals can leave the factory. Since the company has established it insists on the operation concept of “people-oriented, talent foremost, client first, credit first, quality first”. Our aim is to take place in the front ranks of the market, innovate and get chance to develop competitive product!

In order to ensure that you can use our product properly, please read this manual first. The manual, with illustrations and words, can directly explain the operation; while the production date and batch are different, the instruction may differ from the actual operation, please comply with the actual instrument.

Thank you for your support again and we hope you would like to give some feedback on usage, which can help us to improve the product constantly. In addition, safety first and life is priceless! We hope every driver can comply with traffic regulations, get out happily and come back safely!

Important Note

This device is only for reference for driving record and parking surveillance, please drive safely and keep your car well.
Product Packaging Material

Your purchased product includes the following materials.
(the following product may change shape according to supply condition, forgive me for not issuing a separate notice)

Recorder

- Car Charger
- Inductor
- Rear camera (Optional)
- Manual
- Mounting Straps
- Lens Wiping Cloth
Installation Instruction

1. Turn off car engine.
2. Put TF card into the slot on recorder. Notes: please use high speed TF card (above Class 10), capacity ≥8G, supports up to 32G.
3. Fix the recorder to the original rear-view mirror.
4. The extended charging line can be set along the car windowscreen.
5. Paste the sensor at the upper part of the front windshield (it shall be vertically installed to generate long sensing distances). Closely fix the control box on an appropriate mounting position in front of the assistant driver seat to sensitively detect automobile vibrations.
6. Install the rear camera in the back of the car, please check the direction. Wiring can be set along the car roof. When the installation completed, insert the rear camera into AVIN interface of recorder.
7. Start engine and check whether the device is installed correctly.

Recommended installation diagram
Notice

1. After the installation is complete, it is recommended to manually adjust the front camera towards right ahead.
2. After the installation is complete, it is recommended to manually reset the system time.
3. When the control box is out of power, it takes more than 4 hours to fully charge.
4. The external recorder memory card speed needs to reach Class 10.
5. The device comes with 1800MA capacity battery, when the vehicle is shut down, it can normally stand up to 48 hours.

Conditions of object sensing triggering and starting the recorder:

1. The recorder shuts off automatically after the automobile is parked. Stark the sensor in 30 seconds to start detecting.
2. In order to better demonstrate the product, the object sensor will trigger the recorder to make picture recording during the first five times when sensing objects. After the above five times, the vibration sensor will trigger the recorder to make picture recording by sensing slight vibration after the object sensor senses any object.
3. When sensing any moving object and the automobile has slight vibration or it is directly subject to violent vibration, the G-sensor will start the recorder immediately and start picture recording.

Tips:

Please turn off the microwave sensor where your parking the weather is stormy, snowy or the flow of people is large, to avoid coverage for being triggered too much. The explosion-proof glass film and the anti-UV glass film may weaken the sensor detection, which causes a slight deviation in the length of the sensing distance. About 30 seconds after the vehicle is Acc off, the device will automatically activates the object and vibration sensing detection functions. (Prevent the occurrence of the fact that the vehicle own is sensed by the sensor when not completely leaving the vehicle body)
Introduction to recorder structure

1. Touch screen
2. Menu (M button)
3. Page up button
4. Power button
5. Page down button
6. OK button
7. Interface of 5V USB (power input)
8. AVIN interface (interface for connecting rear camera)
9. Interface for TF card
10. Reset button
Introduction to recorder button

Menu (M button)
1. Press M button can switch to Setting page after the recording is stopped.
2. Press M button can switch back to Recorder page.

Page down button
1. Press this button on the Recorder page can start or stop sound recording.
2. Press this button on Setting page can select menu to the left.

Power button
When it is turned off, press the power button for 3 seconds to start; then press the power button for 3 seconds, it will save recording file automatically and shutdown. Secondary function: turn on/off the backlight of display screen; when the backlight is on, press the power button momentarily to turn off the backlight; press any button momentarily to turn on backlight. (this function only works for backlight of display screen, without any influence to recording)

Page up button
1. Press it on the Recorder page can switch between preview picture-in-picture mode of front and rear recording.
2. Press it on Setting page can select the below menu.

Recording button (OK button)
Press it to start/stop recording on Recorder page.
1. Click this icon to realize the camera function. The picture of the recorder when clicked will be saved as a picture.

2. Click this icon to playback the video file stored on the recorder SD card.

3. During recording, after the function is activated, the device will lock the camera video file in the current period. Note: After the activation, the icon will change to:

4. When recording, after the function is activated, the video file storage will have both video and audio effects. If you don’t want audio for the stored video file, click the icon and the following icon appears;
Video playback interface, click the video playback icon, the following interface appears

1. Click this icon to play back the previous video file.
2. Click this icon to pause playback of the current video file.
3. Click this icon to play back the next video file.

Video playback interface, click the video playback icon, the following interface appears
1. Click this icon to enter the video resolution setting. There are three modes. It is recommended to set it in the mode A.
   A. 1080FHD 1920x1080  B. 720P 1280x720  C. VGA 640x480

2. Click this icon to enter the G-sensor settings. There are four modes. It is recommended to set it in the mode B.
   A. Off  B. High  C. Medium  D. Low

3. Click on the icon to enter the screen saver settings. There are four modes. After setting a certain mode, if there is no artificial operation on the device in the corresponding time, the display will enter the off-screen state. It is recommended to set it in the mode B.
   A. Off  B. 30 Seconds  C. 1 Minutes  D. 2 Minutes

4. Click this icon to enter the date and time setting interface of the device.

5. Click this icon to enter the system voice setting interface. There are currently 4 modes, and it is recommended to set it in the mode A;
   A. English  B. 繁體中文  C. 简体中文  D. Tieng Viet

6. Click this icon to enter the format interface of the external SD card. If the format is confirmed, all the video files stored on the SD card will be deleted.

7. Click this icon to enter the restore factory settings interface. If the restoration is confirmed, all menu settings of the device will be restored to the factory mode.

8. Click this icon to enter the setting interface for video file duration. There are four modes. It is recommended to set it in mode C.
   A. Off  B. 30 Seconds  C. 1 Minutes  D. 2 Minutes

9. Click this icon to enter the brightness compensation setting interface. There are three formats. It is recommended to set it in the format B.
   A. Enhance brightness  B. Standard brightness  C. Soft brightness
10. Click this icon to enter the setting interface of low light night vision, there are two modes; it is recommended to set it in the mode B.
   A. In this mode, the intelligent light sensor adjustment is turned off.
   B. In this mode, the intelligent light adjustment mode is turned on.

11. Click the icon to enter the setting interface of the display setting when starting up the device, there are two modes, it is recommended to set it in the mode A.
   A. In this mode, the intelligent light sensor adjustment is turned off.
   B. In this mode, the device is powered on and the screen is off, but the device operates normally. Touch any position of the display screen to light the screen.

12. Click this icon so that after setting a license plate, the device will add a license plate watermark during the recording process.

Microwave working principle

1. When the device starts up, the camera will turn 90 degrees to the left, then turn 270 degrees to the right, and turn 180 degrees to the left.

2. When the vehicle is fully started, the red tip light of the cigarette lighter is lit and the recording camera works normally. In this state, the microwave does not work (the blue light on the control box goes out).

3. When the vehicle turns off or the cigarette lighter is disconnected to take the power, after 25 seconds, the microwave starts to work. When the microwave senses that there is an object moving around, the 5V power is output at the same time for the recorder to start monitoring video recording; (trigger mode, for the first five times, it is required that the microwave sense the surrounding moving objects, but from the sixth, microwave induction + G-sensor vibration are required)

4. After the microwave sensor triggers, it outputs 5V power at the same time for the recorder to start monitoring video recording, the blue light on the control box lights up, and after 45 seconds, it needs another interval of 25 seconds, when the microwave box senses the moving objects around, it will be awakened again, the microwave box will not trigger twice within 25 seconds of the interval.
### Product parameters

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<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
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<tr>
<td>Processor Type</td>
<td>AU3518</td>
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<td>Lens Type</td>
<td>W8 1.8 aperture</td>
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<td>SENSOR</td>
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<td>DDR</td>
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<td>FLASH</td>
<td>2M BIT</td>
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<td>Display Screen Specification</td>
<td>IPS screen 5 inches</td>
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<td>Battery Type</td>
<td>Mirror:3.7V, 500mA Sensor box:3.7V, 1800mA</td>
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<td>Speaker Specification</td>
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<td>MIC Specification &amp; Sensitivity</td>
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<td>Front Camera Pixel</td>
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<td>Rear Camera Pixel</td>
<td>CVBS</td>
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<td>Voltage Range</td>
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<td>Resolution Ratio of Display Screen</td>
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<td>Parking Surveillance</td>
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<td>Record Loop</td>
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<tr>
<td>Vibration Reduction</td>
<td>Software support</td>
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<td>Audio Signal-to-noise Ratio</td>
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<td>Resolution Ratio of Video</td>
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<td>Resolution Ratio of Picture</td>
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<td>Rear Camera Connection</td>
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<td>File Locking</td>
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