MEITRACK MD600 AI CAMERA CALIBRATION

Change History

File Name	MEITRACK MD600 AI CAMERA CALIBRATION		
Project	MD600	Creation Date Update Update	2024-03-06 2023-03-11
Subproject	User manual	Total pages	11
Version	V1.0	Confidential	External document

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Documentation Update Records

Version	Date	Modifications
1.0	2024-03-11	Initial draft

Contents

1 Description

This document is to demonstrate how to calibrate the DMS, ADAS and BSD cameras of the MD600.

1.1 Install the MT Manager+ APP

First, install the MT Manager+ APP on the mobile phone.

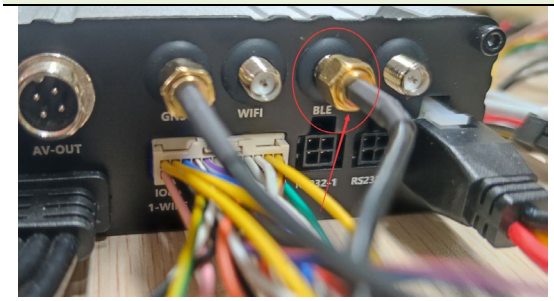
(Download it from Google App Market or Apple App Store)

1.2 Connect the device

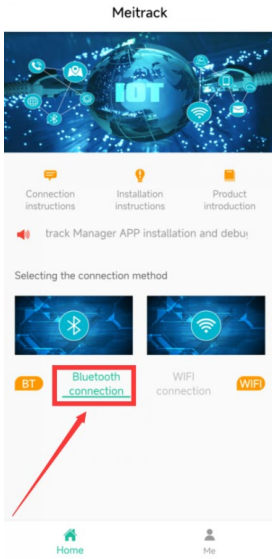
Connect the device to the APP, provide two methods here:

1.2.1 Method 1

1）Connect the BLE antenna on the back of the device

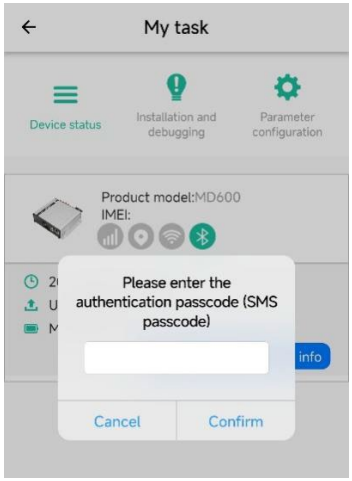


2）Open the APP, click Bluetooth connection

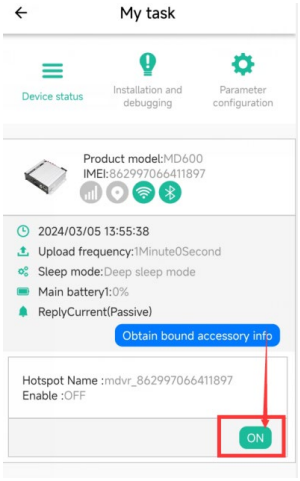


3）Select the IMEI of the device you want to connect to and click connect

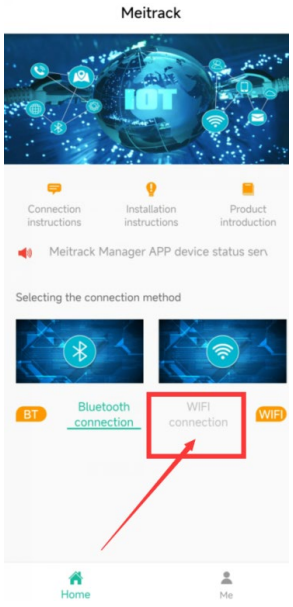
4）Enter password, default is 0000



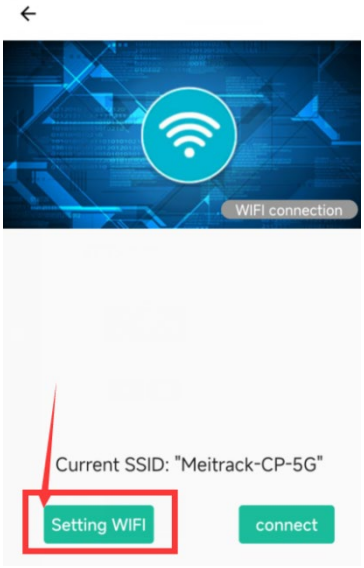
5）Turn the Hotsport switch on



6）Then back to app homepage, reselect WiFi connection



7）Click“setting WiFi”

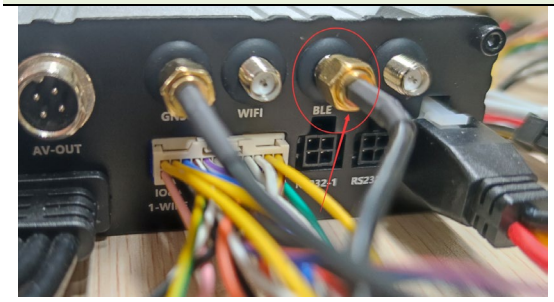


8）Find the device's hotspot and connect

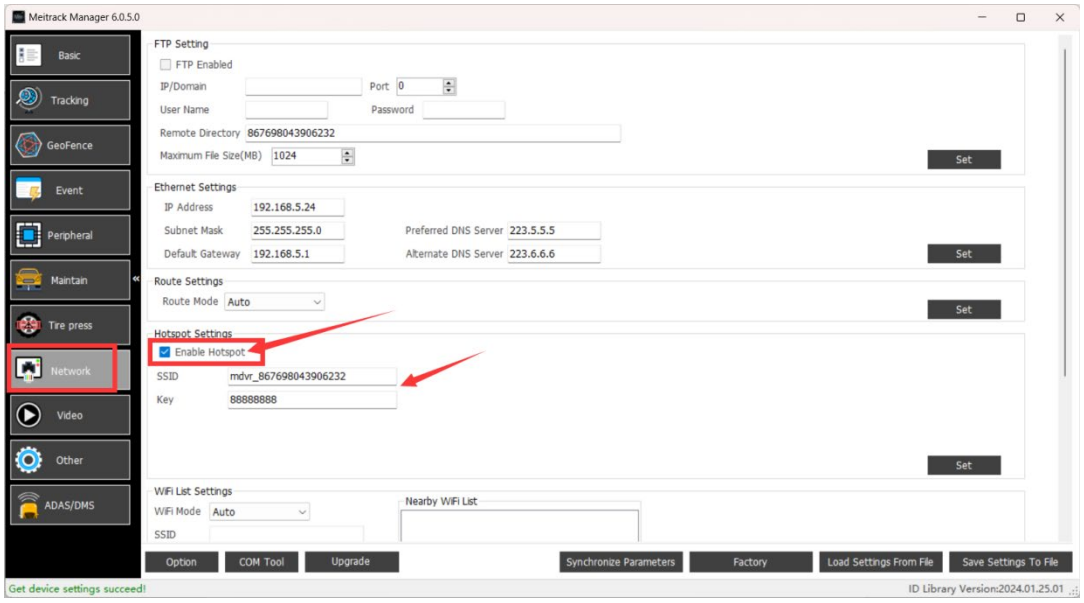
9）Back to the APP, click connect and it will be connected successfully

1.2.2 Method 2

1）Connect the BLE antenna on the back of the device

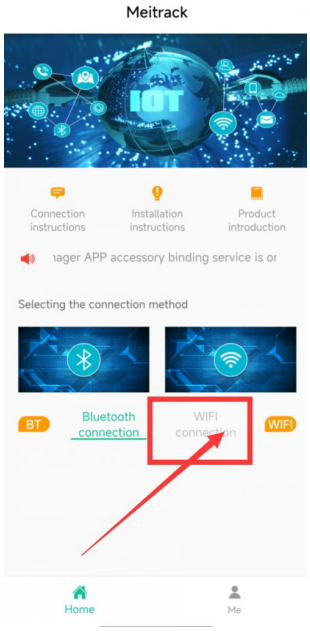


2）Open MM turn on device hotspot



3）Use the phone to connect to the device's hotspot network and open MT Manager+, select WiFi connection

4）Use the phone to connect to the device's hotspot network and open MT Manager+, select WiFi connection

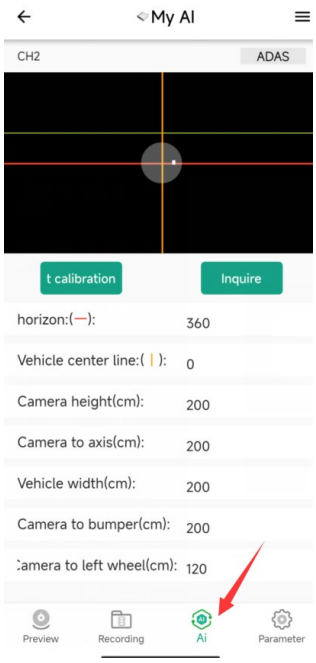


5）Click connect, connection will be successful.

6）After the APP connects to the device successfully, you can see the real-time streaming interface of the device

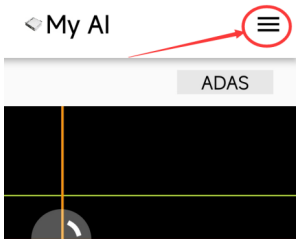
1.3 Calibration of AI camera

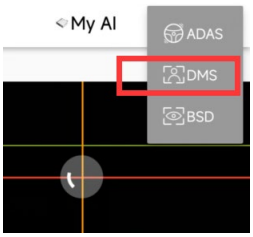
After enter the configuration page, click "AI"



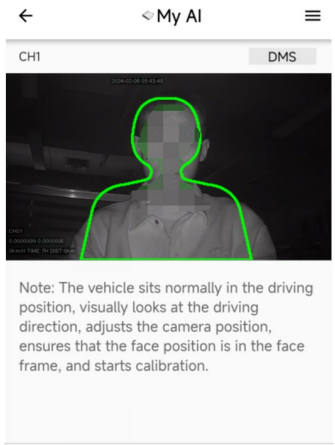
1.3.1 Calibration of DMS

1）Click on the three cross lines in the upper right corner, then select DMS



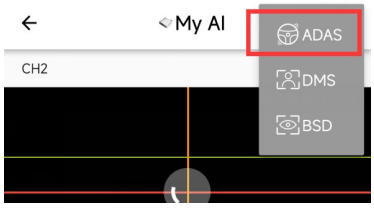


2）Adjust the cameras to position the driver within the green frame. Calibration is considered complete when the green zone roughly matches the driver's silhouette.



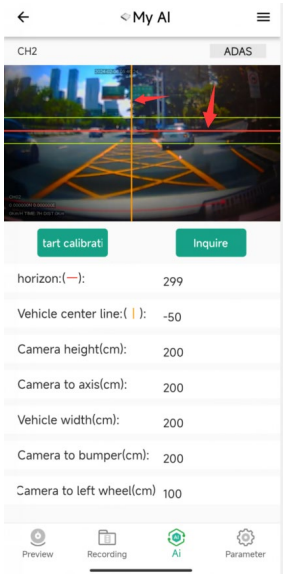
1.3.2 Calibration of ADAS

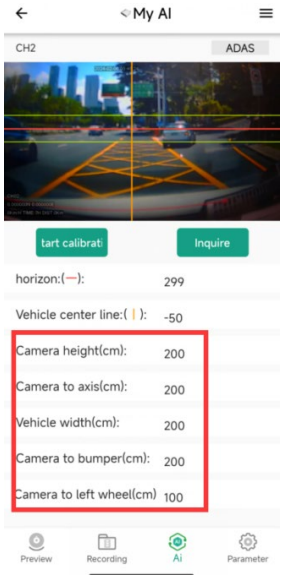
1）Select the ADAS camera in the upper right corner



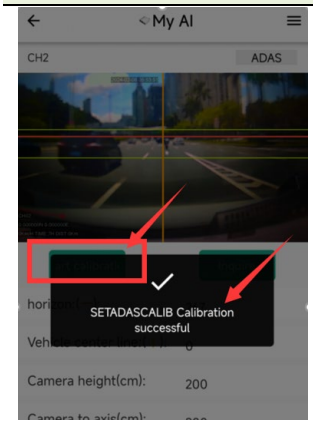
2) Adjust the position of the yellow and red lines in the picture by hand, placing the red line at the level of the road and the vertical orange line at the point where the road ends.

3) According to the actual installation position of the camera to measure and fill in the following parameters (If it is only a test stage, can keep the default)





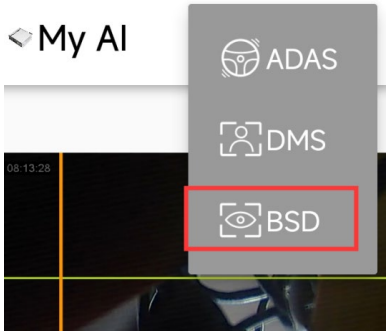
4) After clicking the calibration button, calibration success is shown



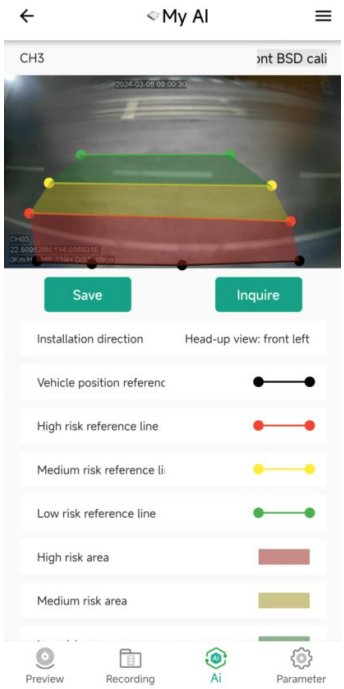
5) Start the vehicle and drive for 2-3min. The device will automatically complete the calibration and then you can try to trigger the DMS/ADAS event

1.3.3 Calibration of BSD

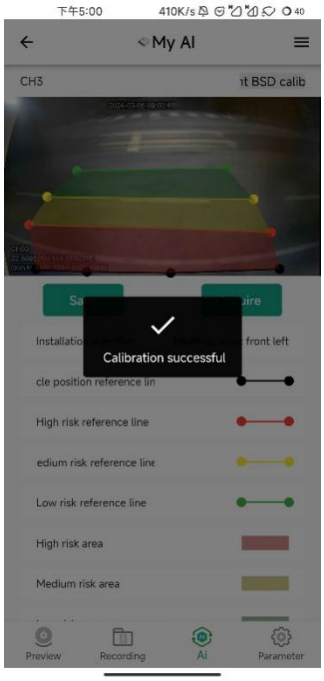
1) Select the BSD camera in the upper right corner



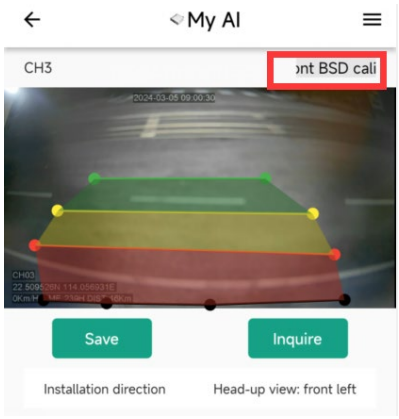
2) The screen will automatically switch to the BSD camera, use your finger to move the four lines in the screen to draw the three zones. By default, red color represents high risk zone, yellow color represents medium risk zone, and green color represents low risk zone.

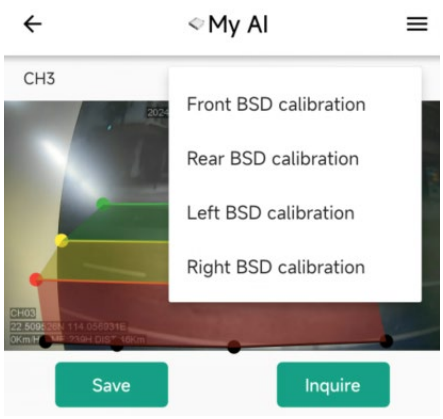


3) Once adjusted, click save to save it



4) Then click on the top right corner and switch to another BSD camera and repeat the above





5) After all BSD calibrations are complete, testing can begin

If you have any other questions, please email us at: info@meitrack.com,and we will be happy to assist you.