

MEITRACK MD600 AI CAMERA CALIBRATION



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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









| Device status Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: Configuration and debugging Image: C | ÷ | My task | |
|---|--|---|----------------------------|
| Device status Installation and debugging Paramete configuration ME:862997066411897 Product modeLMD600 Image: Configuration (Configuration) Main battery:0% Main battery:0% Main battery:0% Oblain bound accessory in Hotspot Name :mdvr_862997066411897 | = | 9 | • |
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| Enable :OFF | 2024/03/0 Upload fre Sleep mod Main batte ReplyCurre | 5 13:55:38 quency:1Minute0Se e:Deep sleep mode rry1:0% ent(Passive) Obtain bound | cond accessory info |

- 6) Then back to app homepage, reselect WiFi
- 7) Click"setting WiFi"

connection







1.2.2 Method 2

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



2) Open MM turn on device hotspot

| itrack Manager 6.0.5.0 | - 🗆 × |
|---|---|
| FTP Setting | |
| Easic FTP Enabled | |
| IP/Domain Port 0 | |
| User Name Password | |
| Remote Directory 867698043906232 | |
| Maximum File Size(MB) 1024 | Set |
| Event Ethernet Settings | |
| IP Address 192.168.5.24 | |
| Peripheral Subnet Mask 255.255.0 Preferred DNS Server 223.5.5.5 | |
| Default Gateway 192.168.5.1 Alternate DNS Server 223.6.6.6 | Set |
| Maintain Route Settings | |
| Route Mode Auto ~ | Set |
| Tre press Hotspot Settings | |
| Enable Hotspot | |
| Network SSID mdvr_867698043906232 | |
| Key 89888888 | |
| Video | |
| Other | Set |
| WFI List Settings | |
| DAS/DMS WiFi Mode Auto ~ | |
| SSID | |
| Option COM Tool Upgrade Synchronize Parameters | Factory Load Settings From File Save Settings To File |
| ce settings succeed | ID Library Version:2024.01.25.01 |

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"

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|---------------------|------------|------|-----------|
| CH2 | | | ADAS |
| | | | |
| | | | |
| | - | | |
| | | | |
| t calibration | | Incu | ire |
| | | Inde | |
| horizon:(—): | 3 | 60 | |
| Vehicle center line | e:(): 0 | | |
| Camera height(cm | n): 21 | 00 | |
| Camera to axis(cn | n): 2 | 00 | |
| Vehicle width(cm) | : 2 | 00 | |
| Camera to bumpe | er(cm): 2 | 00 | |
| Camera to left whe | el(cm): 12 | 20 | |
| 0 | (| | 0 |
| Draviou Pocordi | ina | Ai | Parameter |

1.3.1 Calibration of 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.



Note: The vehicle sits normally in the driving position, visually looks at the driving direction, adjusts the camera position, ensures that the face position is in the face frame, and starts calibration.



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. 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.