



Nameplate Camera Debugger for Supplement Light

User Manual

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Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter 1 Introduction

1.1 Product Introduction

The Nameplate Camera Supplement Light Debugger (hereinafter referred to as the "device") is an auxiliary product for supplemental light spots debugging. The device can connect to the mobile phone via Wi-Fi AP, and you can preview the image using the pre-installed Mini AI Assistant Application on your mobile phone to visualize the light spots.

1.2 Overview

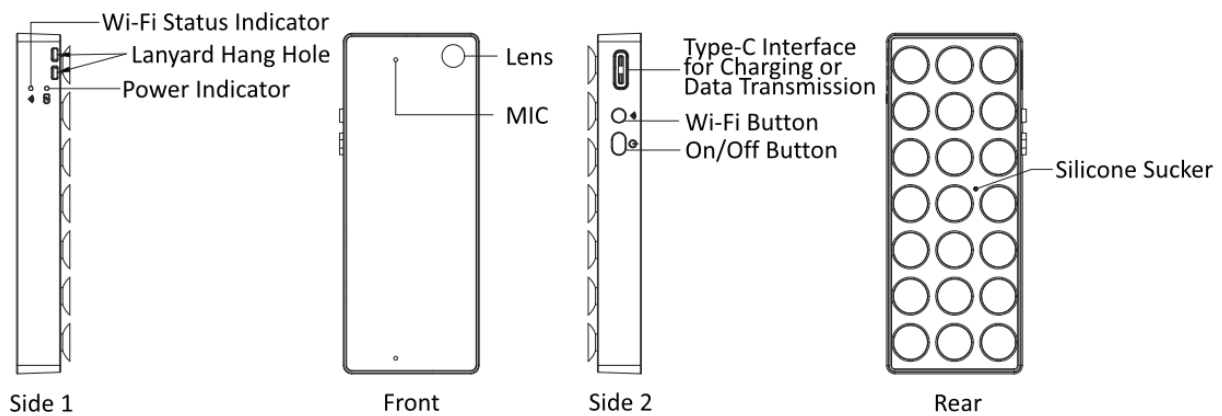


Figure 1-1 Overview

Button	Description	Indicator	Description
On/Off Button	- When the device is off, hold it until the power indicator changes to red, and the device starts up. - When the device is on, hold it until the power indicator is off, and the device shuts down. - When the device is on, press it to start recording, and the power indicator will be flashing green (slowly). Then press it again to stop recording, and the power indicator will be solid green.	Power Indicator	- Flashing red (fast): Device exception (low battery, storage exception, storage full, etc.). - Flashing red (slowly): The device is being charged. - Solid red: The device is fully charged. - Flashing green (slowly): The device is recording. - Solid green: The device is on standby. - Flashing green (fast): The device is not activated.
Wi-Fi Button	When the device is on, hold it to enable the Wi-Fi AP. Then press it again to disable the Wi-Fi AP.	Wi-Fi Status Indicator	- Flashing blue (slowly): The Wi-Fi AP is on, and the mobile phone is connected. - Flashing blue (fast): The Wi-Fi AP is on, but the mobile phone is not connected.

Chapter 2 Device Connection via Mini AI Assistant APP

2.1 Install Mini AI Assistant APP

You can scan the QR code below with your mobile phone to get and install Mini AI Assistant application.



Figure 2-1 APP Download QR Code (iOS)



Figure 2-2 APP Download QR Code (Android)

2.2 Add Device

Add the device to the application.

Before You Start

Hold the Wi-Fi button of the device to enable the Wi-Fi AP function.

Step 1 Enter the WLAN settings page of the mobile phone, and enable **WLAN**.

Step 2 Select the Wi-Fi AP of the device to be added from the network list, and enter the password to connect.



Note

- The device Wi-Fi AP is named as "miniAI-serial No.". You can get the serial No. from the device body label.
- The initial password of device Wi-Fi AP is "abcd1234". You need to enter the initial password to add the device for the first time.
- If the mobile phone has not been connected to the device Wi-Fi AP for more than 7 minutes after the device is added for the first time, the device Wi-Fi AP will be disabled automatically. If you want to connect to the Wi-Fi AP, you need to enable the device Wi-Fi AP again.

Step 3 Open the application, and the added device will be displayed in the device list.

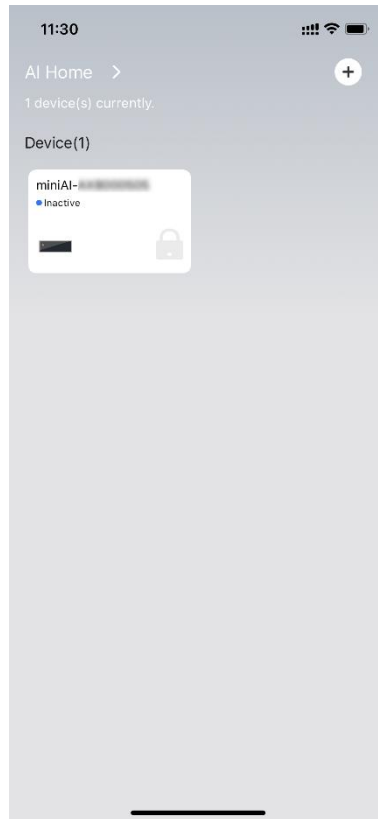


Figure 2-3 Added Device List

 Note

- If the successfully added device is inactive, the device status will be displayed as "Inactive". If the added device is active and online, the device status will be displayed as "Online". If the added device is active but offline, or has not connected again via the device Wi-Fi hotspot after activation, the device status will be displayed as "Offline".
- For the detailed configuration of the device, scan the QR code below to view the Mini AI Assistant Application User Manual.



Figure 2-4 Mini AI Assistant Application User Manual QR Code

Chapter 3 Supplement Light Debugging

3.1 Fix Device to Supplement Light

Loop the lanyard on a fixed object. Then press the silicone suckers on the device back to fix it to the front panel of the supplement light. Ensure the image of the device is positioned horizontally. You can check via the live view image on the application to see if the vehicle's license plate is parallel to the bottom edge of the image. Place the lens of the device as close to the center of the image as possible.

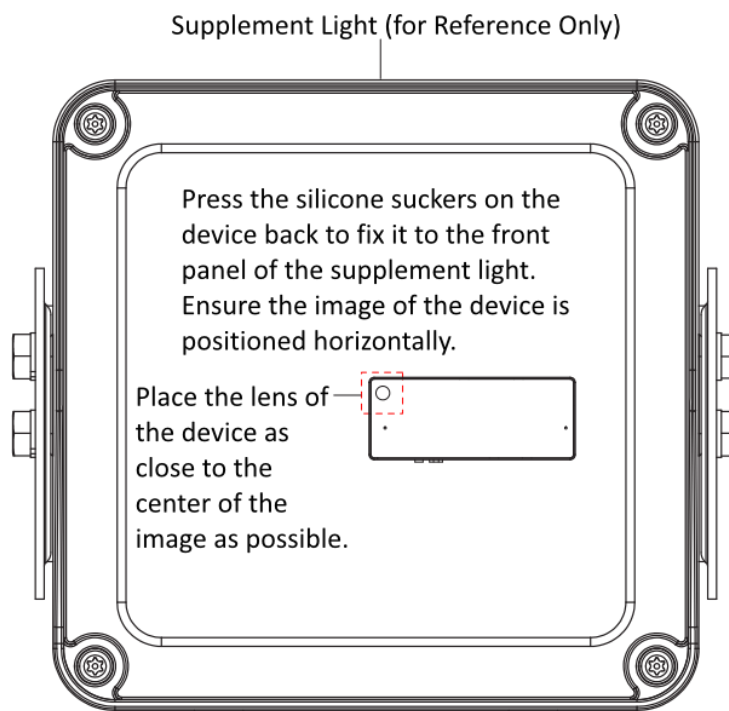


Figure 3-1 Fix Device to Supplement Light

Note

The device is only applicable to supplement lights with a flat front panel. The debugging effect cannot be guaranteed for those with an arc-shaped front panel.

3.2 Debug Supplement Light

Step 1 Open Mini AI Assistant application to realize live view.

Step 2 Adjust the position of the supplement light according to the red dot at the center of the live view image to ensure it is aligned with the center of the vehicle window.

Note

If possible, it is recommended to park a vehicle at the triggering position and enable the supplement light. Ensure that the red dot at the center of the live view image is aligned with the vehicle window. If parking a vehicle is not possible, the red dot in the center of the live view image should be located 5 to 5.5 m behind the triggering position (based on experience). Due to parallax in the live view, ensure the accuracy of the position 5 to 5.5 m behind the triggering position, and ensure that the red dot is centered in the horizontal lane.

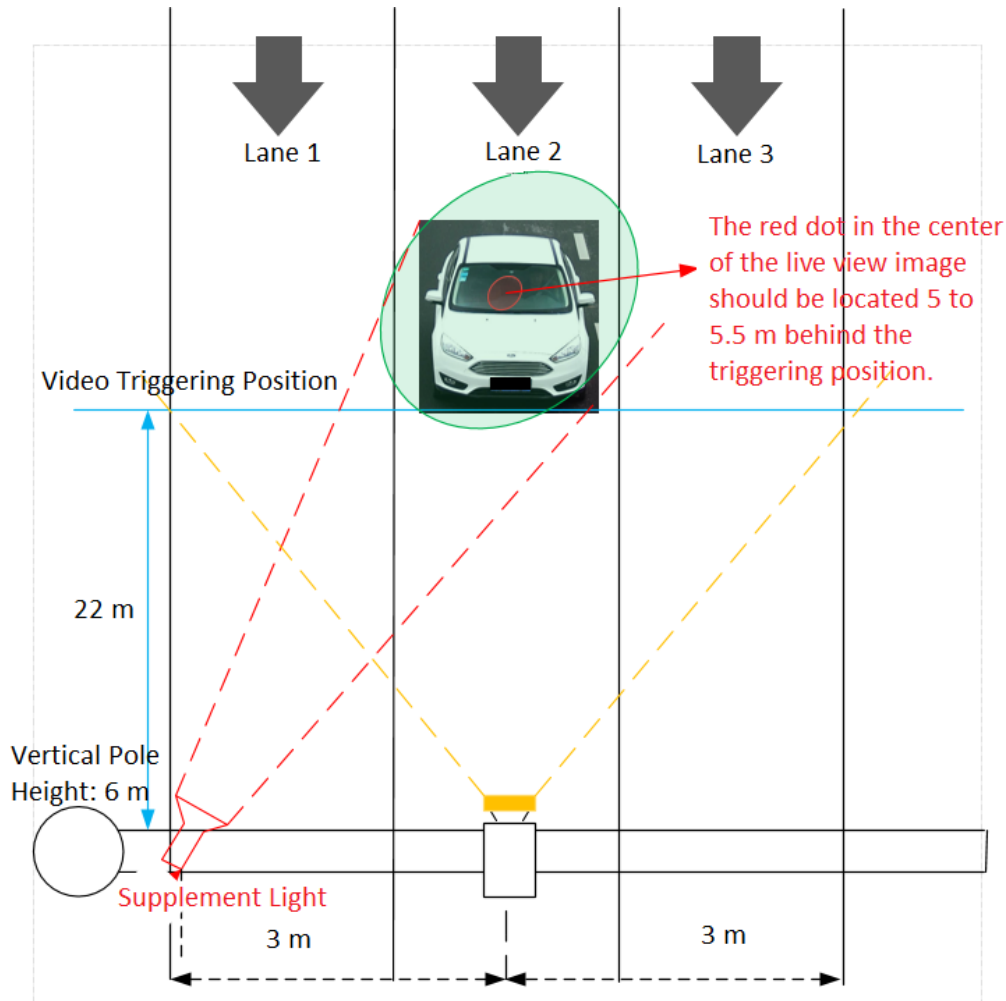


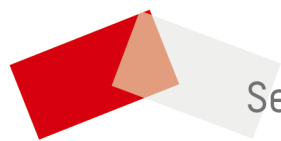
Figure 3-2 Supplement Light Debugging Diagram

3.3 Effect Display

As shown in the figure below, adjust the device to ensure the red dot is positioned at the center of the light spot and the red dot at the center of the live view image is aligned with the vehicle window in the captured image. In this condition, the supplement light is debugged precisely.



Figure 3-3 Effect Display



See Far, Go Further