



Intelligent Light Bar

Quick Start Guide

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Safety Instructions

- The supplement light of the device has a Class 1 retinal blue light or thermal injury risk at 200 mm. Avoid looking directly at the supplement light when it is on, as it may cause eye injury.
- The supplement light of the device poses a risk of optical radiation. The minimum safe distance is about 1.30 m.
- When installing or maintaining the device without appropriate protection (such as wearing sunglasses), you must be outside the safe distance or in an area not directly illuminated by the light source.

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 Intelligent Light Bar (hereinafter referred to as the device) adopts six panoramic cameras to realize a 360° field of view. Featuring smart detection and capture of events such as driving on the lane line, driving on the wrong lane, and occupying the wrong lane, the device can be used widely in different scenarios such as the city roads and the expressways.

1.2 Key Feature

- Supports sending captured pictures to the mobile enforcement video recorder.
- Supports recognition of various vehicle types, such as two-wheelers and motorcycles.
- Equipped with supplement lights for supplementary lighting.
- Designed with red and blue LED lights.
- Complies with the anti-vibration requirements for mobile devices.

1.3 Appearance

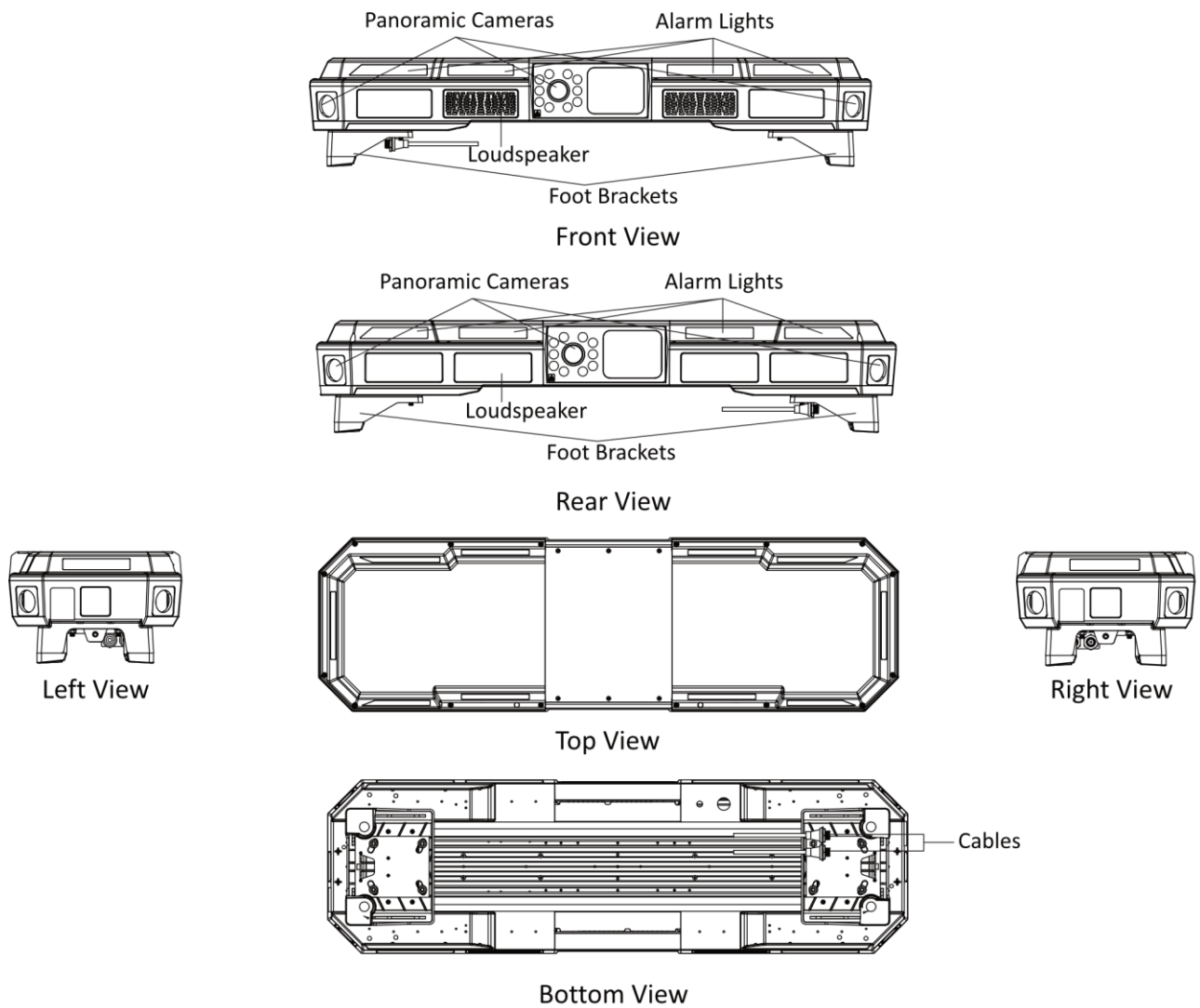


Figure 1-1 Appearance

1.4 Cables

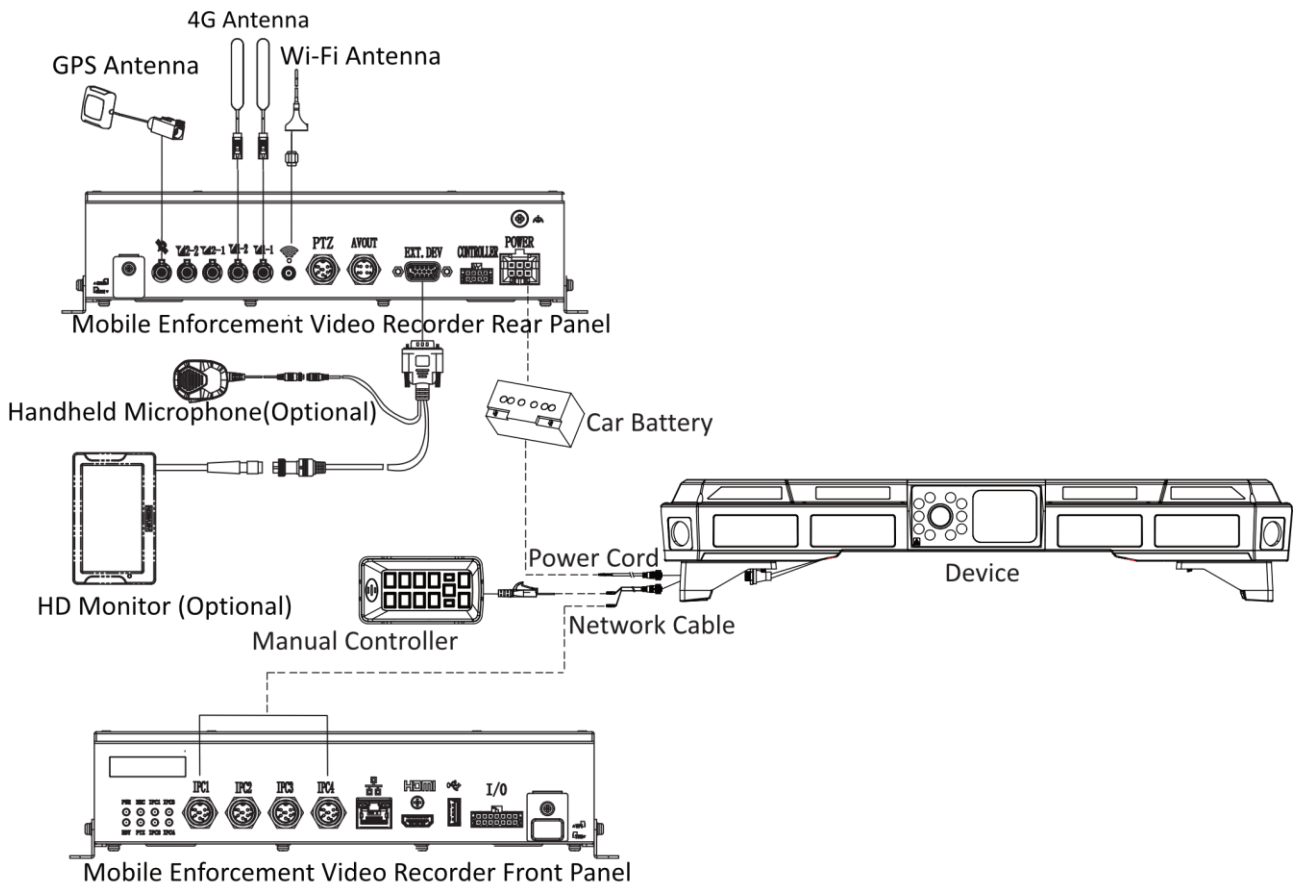


Figure 1-2 Cable Description

Note

Only when the controller plug is connected and the mobile enforcement video recorder is powered on correctly can the system operate normally.

1.5 Manual Controller

The manual controller can be connected to the device for easy remote management of the device.

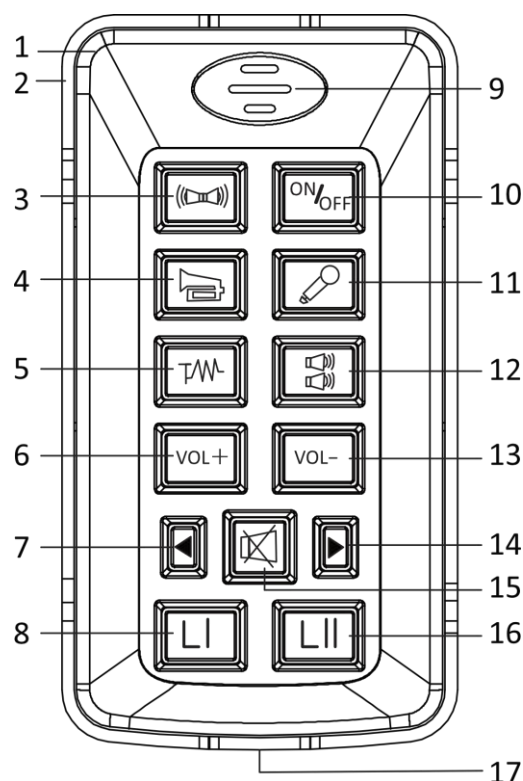


Figure 1-3 Manual Controller Description

Table 1-1 Manual Controller Description

No.	Name	Description
1	Remote Controller	For remote management of the device.
2	Remote Controller Chassis	For placement of the remote controller.
3	Whistle One Key	- Press the key to make the device whistle in Whistle One mode. - Press and hold the key to make the device keep whistling in Whistle One mode.
4	Whistle Two Key	- Press the key to make the device whistle in Whistle Two mode. - Press and hold the key to make the device keep whistling in Whistle Two mode.
5	Air-Raid Warning Key	Press and hold the key for 3 seconds to make the device send out air-raid warnings.
6	Volume up Key	Press the key to turn up the volume.
7	Alarm Mode Switch Key (Backward)	Press the key to switch the alarm mode of the device to the previous mode.

8	Alarm Light Key	Press the key to turn on the alarm lights, and press again to turn off the alarm lights.
9	Receiver	For picking up sounds.
10	Power Key	Press the key to power on the device, and press again to shut the device down.
11	Speaker Key	Speak to the receiver while pressing and holding the key to give out voice instructions.
12	Dual-Sound Key	Not supported by this device. Reserved for other device models.
13	Volume down Key	Press the key to turn down the volume.
14	Alarm Mode Switch Key (Forward)	Press the key to switch the alarm mode of the device to the next mode.
15	Mute Key	Press the key to mute the loudspeaker of the device.
16	Supplement Light Key	Press the key to turn on the supplement lights, and press again to turn off the supplement lights.
17	RJ45 Interface	For connection to the device.

Chapter 2 Installation & Connection

2.1 Device Installation

Please check if there is any damage of the package first. According to the packing list, make sure no item is lost. After checking all the items included, you can continue to install the device.

Caution

- Never place the device in an unstable location. The device may fall, causing serious personal injury or death. Install safety protection equipment if necessary. Check regularly.
 - It is recommended to install the device according to the following instructions. We are not responsible for any results coming from individual arbitrary modification or installation.
-

Step 1 Measure the width between two boundaries of the vehicle roof at the middle of the vehicle body.

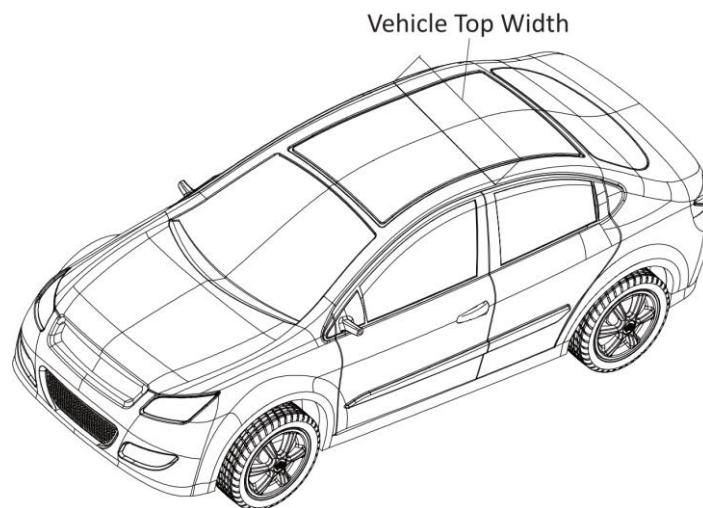


Figure 2-1 Measure Vehicle Top Width

Step 2 Place the device upside down on two sets of supporting brackets.

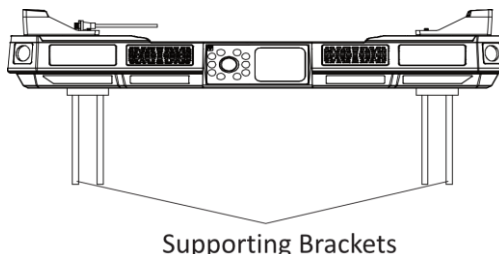


Figure 2-2 Place Device Upside Down

Note

- The heights of the supporting brackets should be the same and be bigger than that of the convex surface of the device top body.
- A layer of protective cover (such as a piece of soft cloth or sponge) should be added to the supporting brackets to protect the device from accidental scratches.

Step 3 Loosen the M8 nuts (× 8) on the bottoms of foot brackets by using a T-handle nut driver.

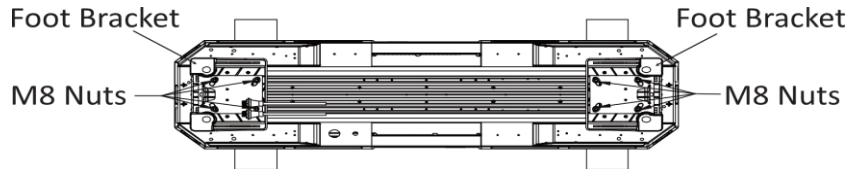


Figure 2-3 Loosen M8 Nuts

Step 4 Adjust the two foot brackets according to the following equation: Adjusted Distance = (Device Length – Vehicle Top Width)/2 + 1.5 (Unit: cm).

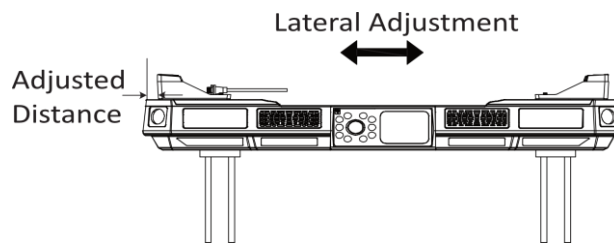


Figure 2-4 Adjust Foot Brackets

Step 5 Tighten the M8 nuts (× 8) on the bottoms of the foot brackets by using the T-handle nut driver to fasten the foot brackets.

Step 6 Turn over the device and place the device onto the postmedian vehicle roof with the loudspeaker facing forward.

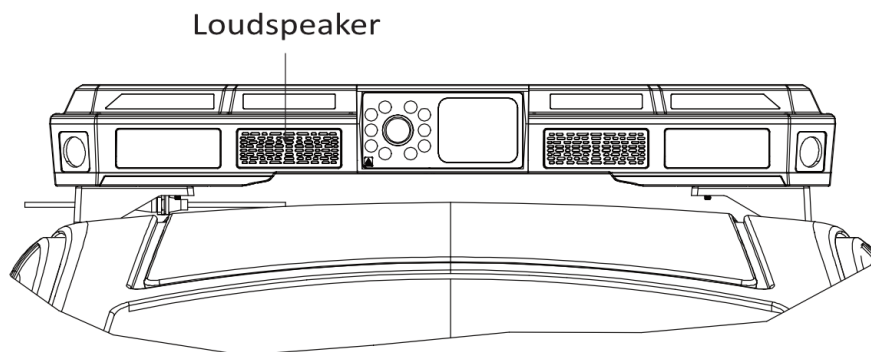


Figure 2-5 Place Device onto Vehicle Roof

Step 7 Tear apart the window seals and tuck the bottoms of positioning brackets in before restoring the seals to the original states.

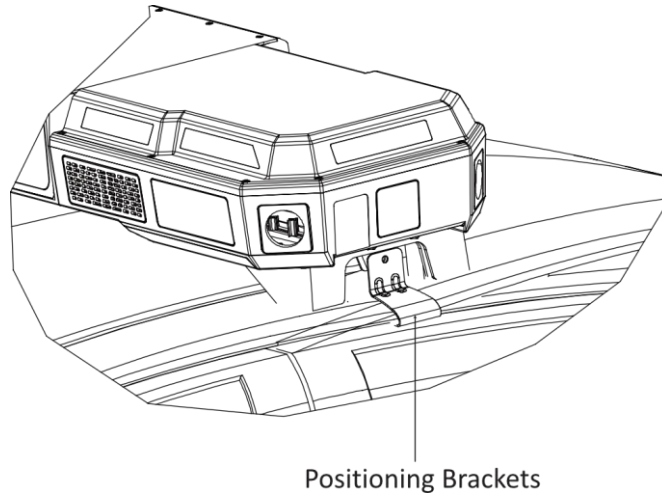


Figure 2-6 Tuck Bottoms of Positioning Brackets

Step 8 Adjust the positioning brackets to align the holes with those on the foot brackets of the device.

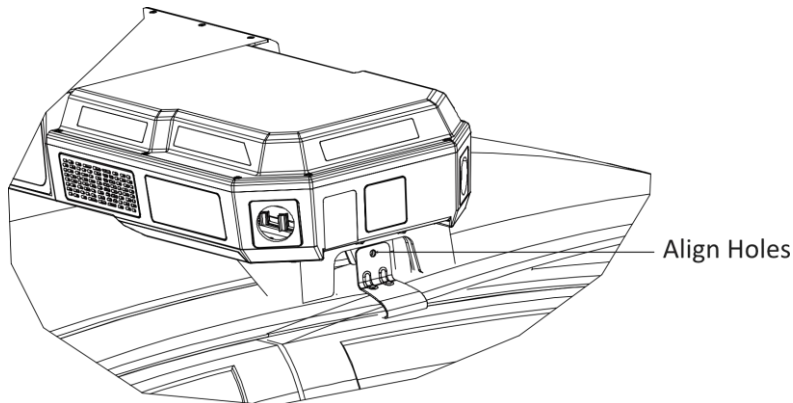


Figure 2-7 Align Holes

Step 9 Hold the bottoms of the positioning brackets and insert screws into the aligned holes on both sides.

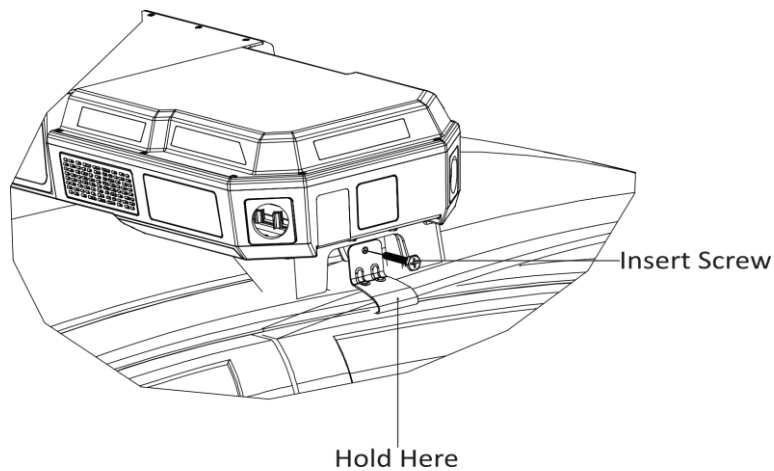


Figure 2-8 Insert Screws

Step 10 Tighten the screws on both sides sequentially.

Step 11 Manually shake the device to check the stability.

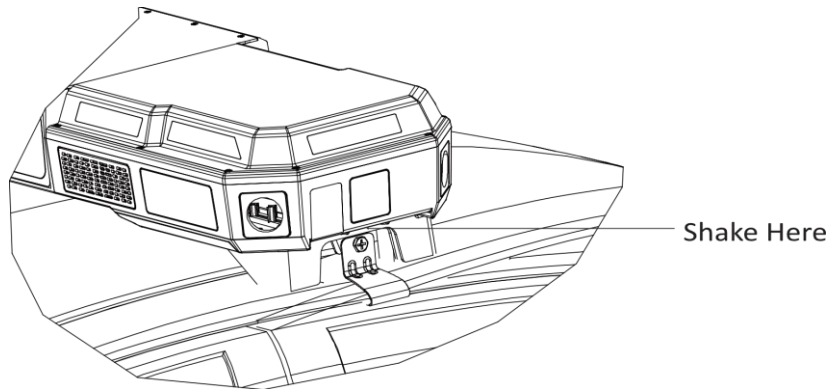


Figure 2-9 Stability Test

 Caution

Periodic tests for bracket stability are necessary for daily uses. Reinstall the device once the device is found shaky to any degree.

2.2 Device Connection

 Caution

For safety purposes, consult professional personnel for connecting the device.

The full device connection process consists of two major parts, namely power cord connection and network cable connection, refer to [Figure 1-2 Cable Description](#) for details.

Step 1 Lead the power cord and network cable of the device, along the vehicle windshield slots, to the front cover of the vehicle.

 Note

If the windshield slots are not wide enough, properly cut the water-proof rubber.

Step 2 Fix the cables to the vehicle using cable ties or a hot glue gun.

Step 3 Connect the power cord to the car battery.

Step 4 Lead the network cable, from the front cover of the vehicle, to the driver seat.

Step 5 Connect the network cable to the manual controller, the mobile enforcement video recorder, and the car cigarette lighter respectively.

Step 6 Connect the antennas to the corresponding interfaces of mobile enforcement video recorder.

Step 7 Power on the device to check the working status of the device.

Chapter 3 Detailed Configuration

Scan the QR code below to get the user manual of Mobile Enforcement Video Recorder.



Figure 3-1 User Manual QR Code

Scan the QR code below to get the user manual of Mobile Enforcement System Application.



Figure 3-2 User Manual QR Code

Scan the QR code below to get the user manual of Intelligent Light Bar Camera.



Figure 3-3 User Manual QR Code



See Far, Go Further